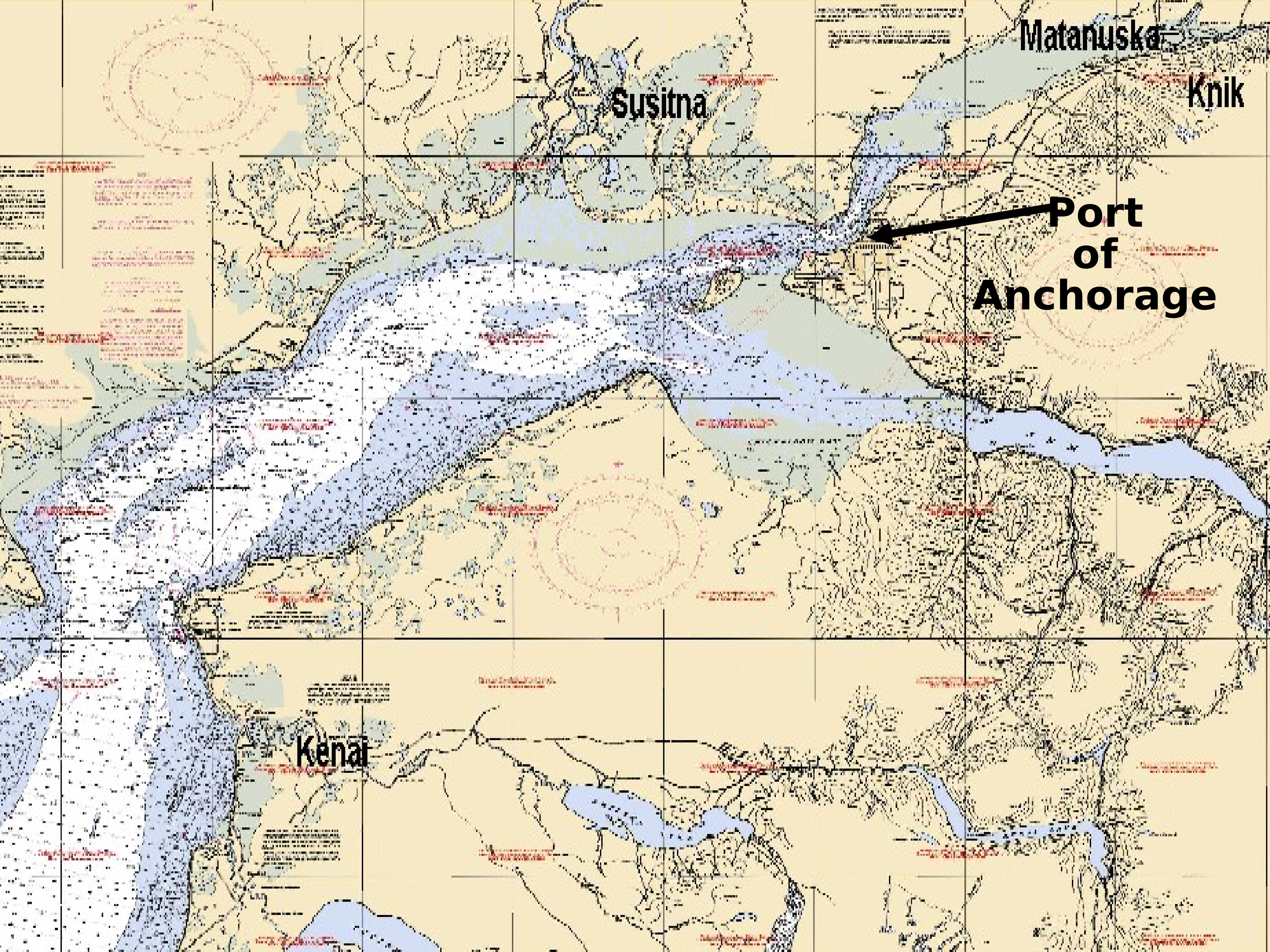
PORT OF ANCHORAGE

HYDROGRAPHIC SURVEYS IN SUPPORT OF ANNUAL MAINTENANCE DREDGING


Matanuska
Knik
Susitna
Port of Anchorage
Kenai

Project History

- **First dry cargo berth completed in 1961 with –35 feet MLLW approach depth and –10 feet MLLW at the dock face.**
- **Dock extended 1000 feet in 1977 to current 3000 foot length and project depth at –35 feet MLLW.**
- **New petroleum dock (POL dock) completed in 1993.**
- **Project wings were flattened from 45° to 30° in 1988 to increase circulation.**
- **Surveys were typically completed past the maximum payline (from –37 to –39 feet). Beginning in 2004 the survey area was extended to 1600 feet from the dock face and runs 9,000 feet at the outer limit and 3,644 at the dock face.**

US Army Corps
of Engineers
Alaska District

PORT OF ANCHORAGE HYDROGRAPHIC SURVEYS

HYDROGRAPHIC SURVEYS

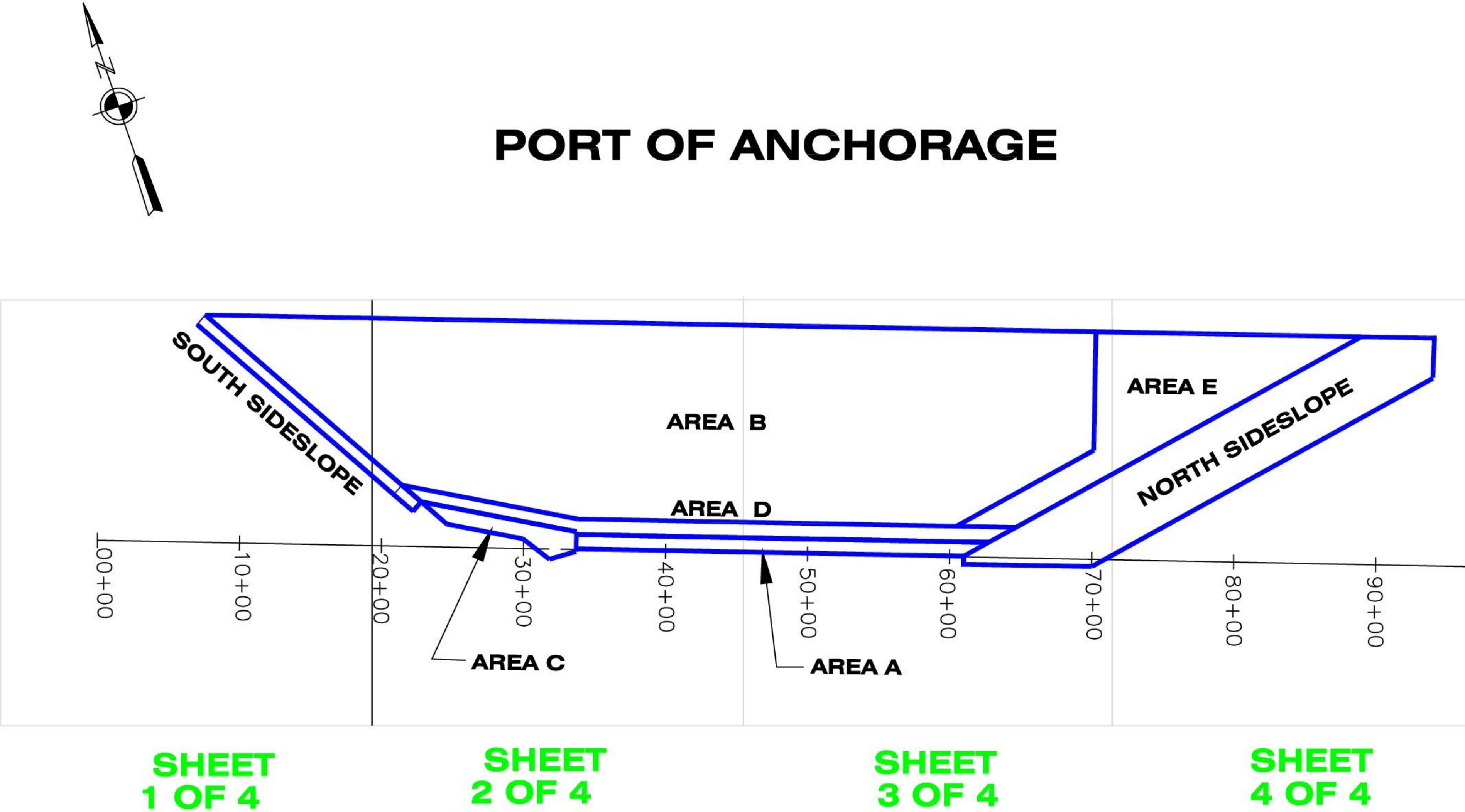
- SURVEYS TRADITIONALLY CONDUCTED WITH A SINGLE BEAM ECHOSOUNDER ON 25 FOOT LINE SPACES AND CORRECTED FO TIDE USING SOME FORM OF TIDE GAUGE.

- SURVEY TIME IS LIMITED BY ACCESS AND EGRESS FROM THE SMALL BOAT LAUNCH TO 6 HOURS OR LESS ON THE WATER, AN IT TOOK ABOUT 5 HOURS USING THE SINGLE BEAM METHOD.

- WITH THE EXPANSION OF THE SURVEY AREA TO ALMOST TWI ITS PREVIOUS SIZE THE CHALLENGE WAS TO FIND A WAY TO CONDUCT A SURVEY IN ONE DAY.

- PAYMENT FOR DREDGING QUANTITY IS COMPUTED BY THE SU FOR HOPPER TYPE DREDGING, AND A HOPPER DREDGE WAS U IS 2003 AND 2004.

PORT OF ANCHORAGE


N
SOUTH SIDESLOPE
AREA B
AREA E
NORTH SIDESLOPE
AREA D
00+00
10+00
20+00
30+00
40+00
50+00
60+00
70+00
80+00
90+00
AREA C
AREA A
SHEET 1 OF 4
SHEET 2 OF 4
SHEET 3 OF 4
SHEET 4 OF 4

PROJECT AREAS

HYDROGRAPHIC SURVEYS

- MULTI-BEAM SURVEY SYSTEMS PROVIDE FULL COVERAGE OF BOTTOM. A FULL SWATH OF 120° CAN PROVIDE BOTTOM COV UP TO 3 ½ TIMES THE WATER DEPTH.

- PROCESSING TIME WITH THE LARGE DATA SETS HOWEVER MA THE TURN AROUND TIME IMPRACTICAL.

- OUR LOCAL HYRDOGRAPHER FOUND A NEW “LESS DENSE” SY BY ODOM USING 30, 3° DEGREE BEAMS IN THE SWATH ARRAY T PROVIDED COVERAGE AT TWICE THE WATER DEPTH.

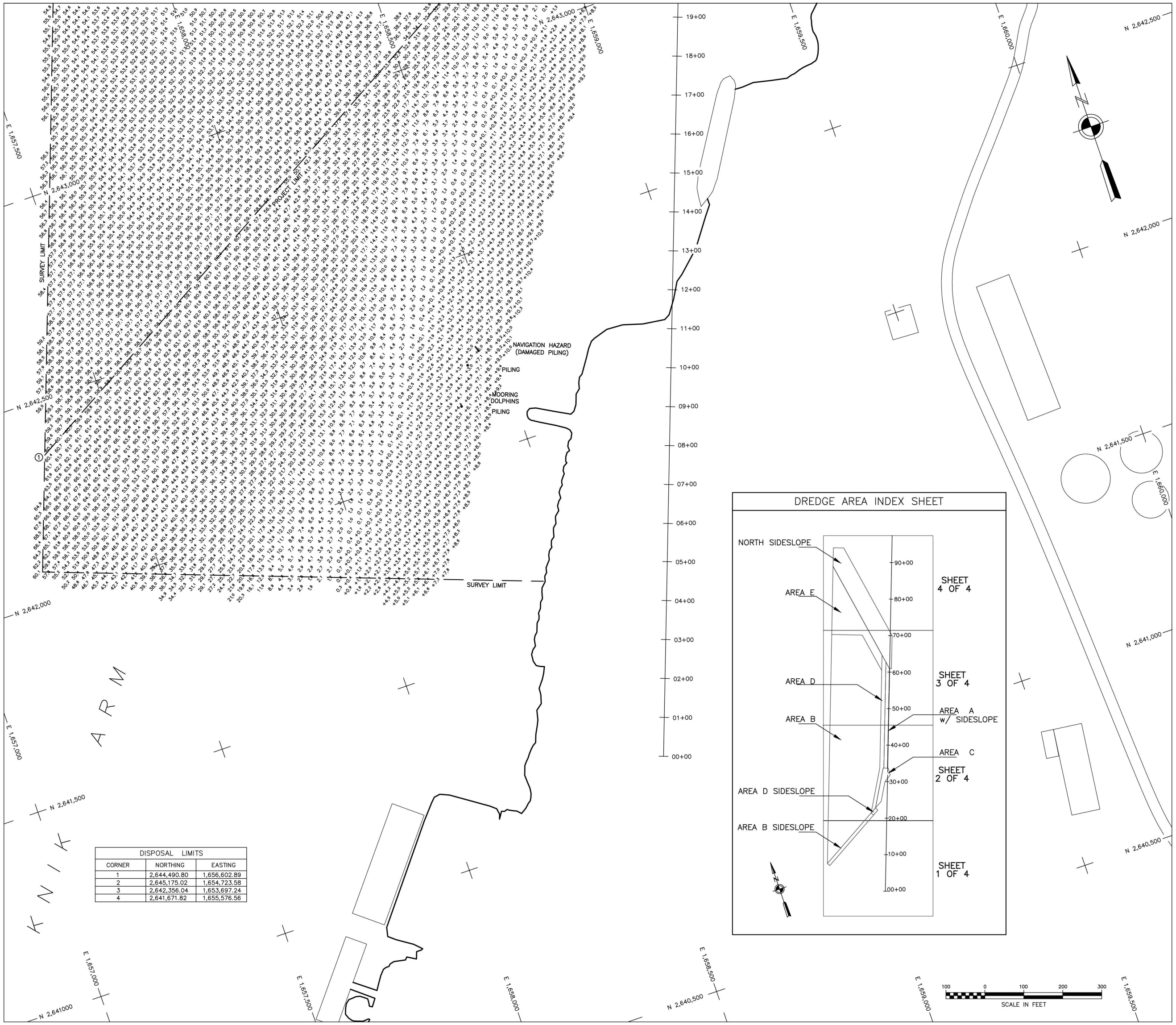
- WITH THE ODOM ECHCOSCAN SYSTEM THE SURVEY TEAM WA ABLE TO COVER THE ENTIRE PROJECT AREA IN 4 TO 5 HOURS.

- DATA PROCESSING WAS REFINED OVER THE FIRST FEW SURV UNTIL A 1:1 RATIO WAS ACHIEVED WITH FIELD TO OFFICE TIME

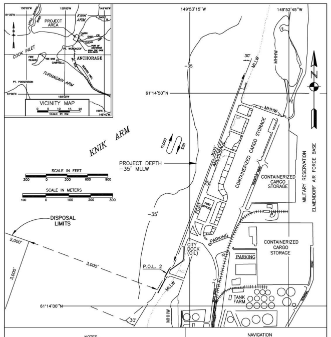
SHEET 1 OF 4 SOUTH END POST DREDGE 1 NOV 04

CORPS OF ENGINEERS

U. S. ARMY


SURVEY LIMIT
PROJECT LIMIT
NAVIGATION HAZARD (DAMAGED PILING)
PILING
MOORING DOLPHINS
PILING
KNIK ARM
N 2,643,000
N 2,642,500
N 2,642,000
N 2,641,500
N 2,641000
N 2,641,000
N 2,640,500
E 1,657,500
E 1,657,000
E 1,658,000
E 1,658,500
E 1,659,000
E 1,659,500
E 1,660,000
19+00
18+00
17+00
16+00
15+00
14+00
13+00
12+00
11+00
10+00
09+00
08+00
07+00
06+00
05+00
04+00
03+00
02+00
01+00
00+00
DREDGE AREA INDEX SHEET
NORTH SIDESLOPE
AREA E
AREA D
AREA B
AREA A w/ SIDESLOPE
AREA C
AREA D SIDESLOPE
AREA B SIDESLOPE
SHEET 4 OF 4
SHEET 3 OF 4
SHEET 2 OF 4
SHEET 1 OF 4
90+00
80+00
70+00
60+00
50+00
40+00
30+00
20+00
10+00
00+00
SCALE IN FEET
100
0
100
200
300

DISPOSAL LIMITS		
CORNER	NORTHING	EASTING
1	2,644,490.80	1,656,602.89
2	2,645,175.02	1,654,723.58
3	2,642,356.04	1,653,697.24
4	2,641,671.82	1,655,576.56


VICINITY MAP
PROJECT AREA
ANCHORAGE
KNIK ARM
TURNAGAIN ARM
COOK INLET
149°53'15"W
149°52'45"W
61°14'30"N
61°14'00"N
SCALE IN FEET
SCALE IN METERS
PROJECT DEPTH −35' MLLW
DISPOSAL LIMITS
CONTAINERIZED CARGO STORAGE
MILITARY RESERVATION ELMENDORF AIR FORCE BASE
CITY DOCK
P.O.L. 2
PARKING
TANK FARM
MHHW
−35'
−30'
30'

NOTES

1. THIS LOCALITY IS SHOWN ON USC & GS CHARTS NO. 16664,16660,16013, AND 500.
2. DEPTHS ARE IN FEET REFERENCED TO MEAN LOWER LOW WATER (M.L.L.W.=0.0').

NAVIGATION

ANCHORAGE HARBOR
ALASKA
REVISED 1995

NOTES

1. 'HORIZONTAL CONTROL IS ALASKA STATE PLANE ZONE 4, NAD 83, IN US SURVEY FEET, HOLDING USACE SBC "N. END 1978" AS N 2,646,652.19, E 1,660,582.43 AND USACE SBC "S. END 1978" AS N 2,644,298.25, E 1,659,725.47.
2. VERTICAL CONTROL IS IN FEET, REFERRING TO MEAN LOWER LOW WATER (MLLW=0.0'), BASED ON NOAA/NOS TIDAL BENCH MARK LIST "9455920 ANCHORAGE, KNIK ARM, COOK INLET, ALASKA", PUBLISHED 04/21/2003, HOLDING USCGS SBC "TIDAL 16 1966" AS 40.53', AND USCGS SBC "B 75 1964" AS 36.82'.
3. SOUNDINGS ARE IN FEET AND ARE MINUS UNLESS OTHERWISE INDICATED.
4. THIS SURVEY WAS PERFORMED NOVEMBER 1, 2004. SOUNDINGS WERE COLLECTED USING AN ODOM ECHOSCAN MULTIBEAM DEPTH SOUNDER WITH A 200kHz, 90° SWATH-WIDTH TRANSDUCER (30-3° BEAM ARRAY). POSITIONING AND TIDES WERE PROVIDED IN REAL TIME BY A SEATEX SEAPATH 200 RTK GPS RECEIVER OPERATING ON KINEMATIC CORRECTIONS BROADCAST FROM A SEATEX SEAREF 200 GPS REFERENCE STATION SET AT USACE SAC "PORT 1989". VESSEL ATTITUDE WAS CORRECTED USING DATA FROM AN INTEGRATED SEATEX MRU-5 MOTION REFERENCE UNIT. REAL-TIME-KINEMATIC TIDE DATA WAS CALIBRATED TO MANUAL TIDE OBSERVATIONS HOLDING USCGS SBC "TIDAL 16 1966" LOCATED AT NOAA TIDE STATION "9455920", AT THE PORT OF ANCHORAGE. SURVEY DATA WAS COLLECTED AND REDUCED USING QPS QINSy (V7) INTEGRATED SOFTWARE.
5. THIS SURVEY IS INDICATIVE OF GENERAL CONDITIONS ON THE DATE OF SURVEY.
6. THERE WERE NO NEW MONUMENTS ESTABLISHED DURING THIS SURVEY.
7. SEE DREDGE AREA INDEX SHEET ON SHEET 1 OF 4.

⚠ CONTROL DATA ⚠				
STATION	NORTHING	EASTING	ELEV.	DESCRIPTION
N. END 1978	2,646,652.19	1,660,582.43	41.39	USACE SBC (STA 58+92.73)
S. END 1978	2,644,298.25	1,659,725.47	40.47	USACE SBC (STA 33+87.33)
DJ-1	2,650,309.04	1,661,821.57	181.47	–
NEW	2,652,477.41	1,653,265.13	46.47	–
EQ-1	2,629,995.41	1,643,787.75	83.07	–
SP-1	2,632,165.12	1,650,395.14	36.47	–
SANDBAG	2,646,634.30	1,662,476.29	206.82	USCGS SBC
CLIFF	2,648,978.03	1,662,106.44	250.99	–
C 1/4 COR	2,642,005.73	1,660,981.81	128.25	–
ZZ-1	2,644,301.39	1,660,846.61	38.70	–
PORT 1989	2,639,936.64	1,656,922.51	39.93	USACE SAC

PROJECT LIMITS					
CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
1	2,642,361.74	1,657,313.54	10	2,644,277.40	1,659,732.10
2	2,643,360.52	1,659,049.08	11	2,644,283.94	1,659,714.10
3	2,643,480.14	1,659,255.86	12	2,644,324.91	1,659,601.31
4	2,643,951.00	1,659,525.48	13	2,643,271.50	1,658,894.40
5	2,644,082.00	1,659,723.60	14	2,644,363.44	1,659,519.66
6	2,644,318.05	1,659,620.20	15	2,647,261.90	1,660,574.84
7	2,646,848.26	1,660,647.78	16	2,646,867.23	1,660,431.20
8	2,647,045.24	1,660,613.05	17	2,647,955.42	1,660,239.30
9	2,650,006.96	1,660,090.76	18	2,648,242.74	1,659,449.88

CONTRACT NO. W911KB-04-R-0001
CONTRACTOR TERRA SURVEYS, LLC
CITY PALMER STATE ALASKA

ALASKA DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

SURVEYED: ECH/AVK
DRAWN: LES
CHECKED: KDW
SUBMITTED:

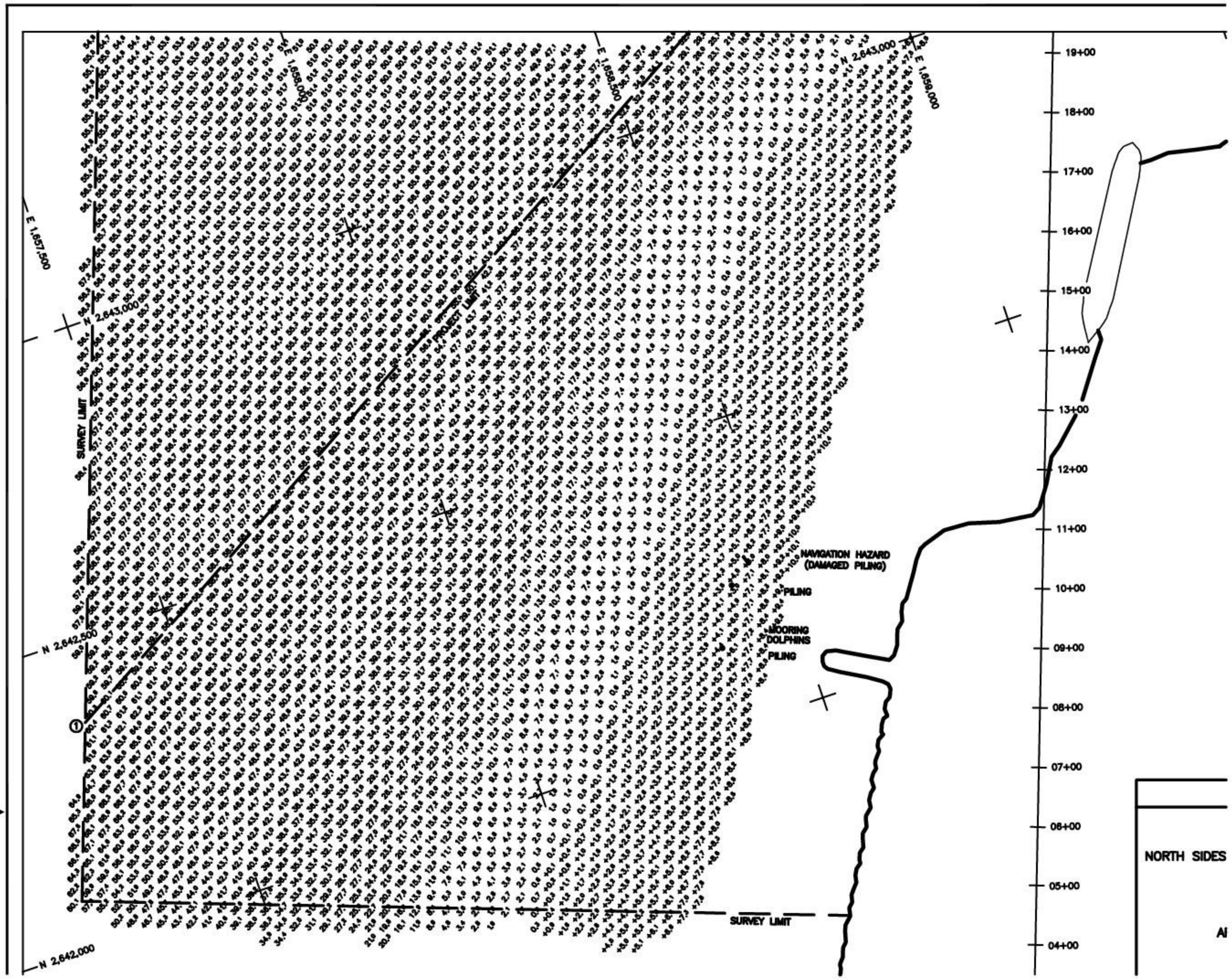
ANCHORAGE, ALASKA
PORT OF ANCHORAGE
2004-2005 MAINTENANCE DREDGING
PHASE II DREDGING
POST DREDGE SURVEY: NOVEMBER 1, 2004

RECOMMENDED:
PROJECT MANAGER
APPROVED:
CHIEF OPERATIONS-READINESS BRANCH
DATE:

SURVEY NO. 2190-04
SCALE: 1" = 100'
SHEET 1 OF 4

SHEET 1 OF 4 SOUTH END POST DREDGE 1 NOV 04

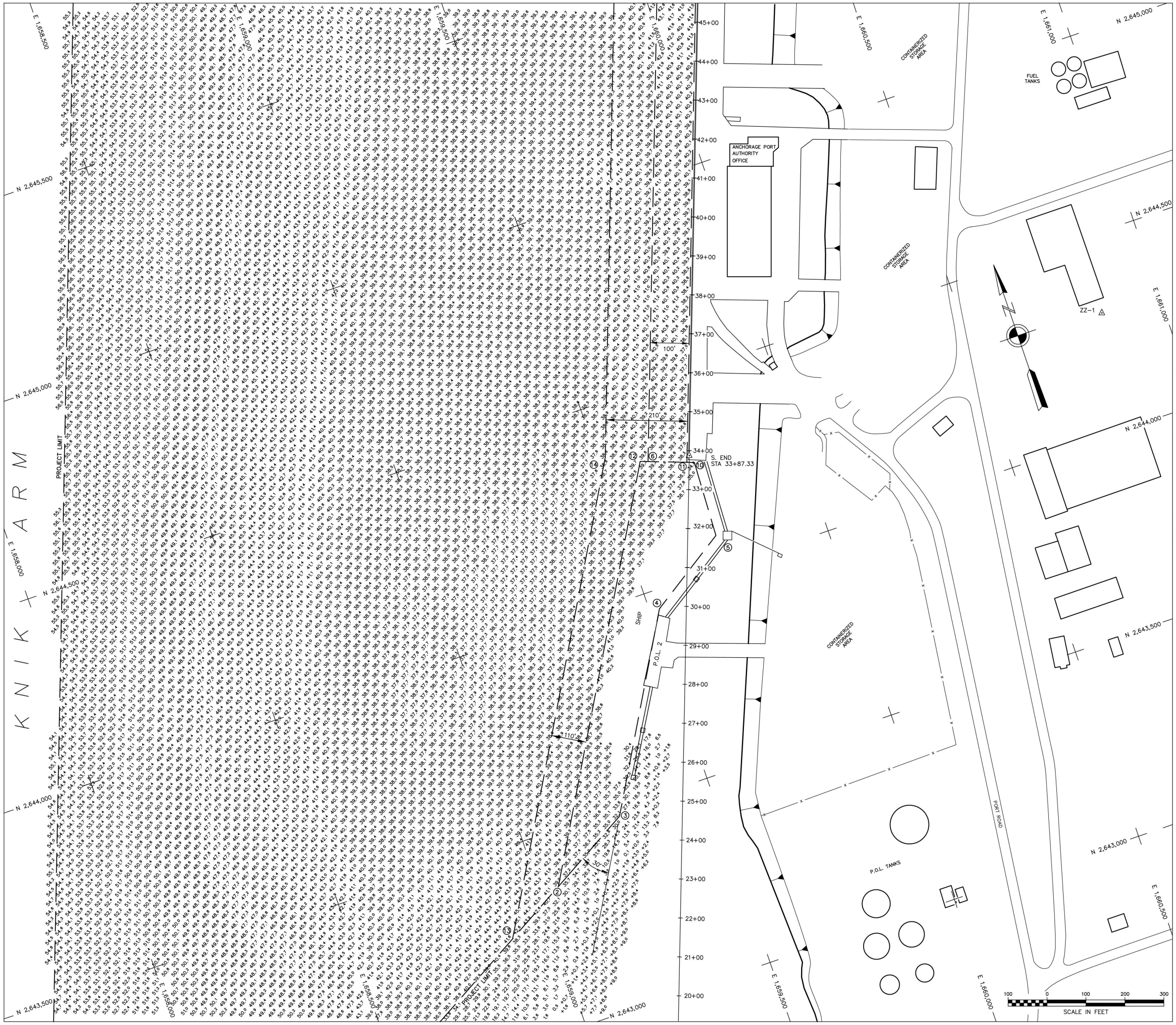
CORPS OF ENGINEERS

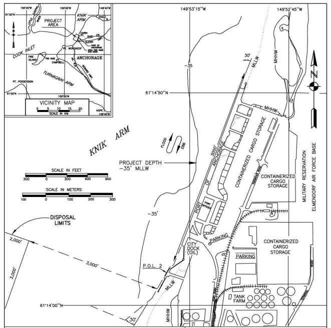

E 1,657,500
E 1,658,000
E 1,658,500
E 1,659,000
N 2,643,000
N 2,643,000
N 2,642,500
N 2,642,000
SURVEY LIMIT
PROJECT LIMIT
SURVEY LIMIT
①
NAVIGATION HAZARD (DAMAGED PILING)
PILING
MOORING DOLPHINS
PILING
19+00
18+00
17+00
16+00
15+00
14+00
13+00
12+00
11+00
10+00
09+00
08+00
07+00
06+00
05+00
04+00
NORTH SIDES

SHEET 2 OF 4 POL DOCKS POST DREDGE 1 NOV 04

CORPS OF ENGINEERS

U. S. ARMY


KNIK ARM
PROJECT LIMIT
E 1,658,500
E 1,659,000
E 1,659,500
E 1,660,000
E 1,660,500
E 1,661,000
N 2,643,000
N 2,643,500
N 2,644,000
N 2,644,500
N 2,645,000
N 2,645,500
20+00
21+00
22+00
23+00
24+00
25+00
26+00
27+00
28+00
29+00
30+00
31+00
32+00
33+00
34+00
35+00
36+00
37+00
38+00
39+00
40+00
41+00
42+00
43+00
44+00
45+00
S. END
STA 33+87.33
100'
210'
110'
SHIP
P.O.L. 2
ANCHORAGE PORT AUTHORITY OFFICE
CONTAINERIZED STORAGE AREA
FUEL TANKS
ZZ-1
P.O.L. TANKS
PORT ROAD
100 0 100 200 300
SCALE IN FEET


PROJECT AREA
KNIK ARM
COOK INLET
ANCHORAGE
TURNAGAIN ARM
FIRE ISLAND
PT. POSSESSION
PT. WORONZOF
PT. CAMPBELL
VICINITY MAP
0 5 10 15 20
SCALE IN KM
149°53'15"W
149°52'45"W
61°14'50"N
61°14'00"N
KNIK ARM
FLOOD
EBB
PROJECT DEPTH
-35' MLLW
SCALE IN FEET
300 0 300 600 900
SCALE IN METERS
100 0 100 200 300
DISPOSAL LIMITS
2,000'
3,000'
3,000'
30'
-35
-35'
MLLW
MHHW
3000'
PORT OF ANCHORAGE
CONTAINERIZED CARGO STORAGE
CONTAINERIZED CARGO STORAGE
CONTAINERIZED CARGO STORAGE
MILITARY RESERVATION
ELMENDORF AIR FORCE BASE
CITY DOCK (OIL)
P.O.L. 2
PARKING
PARKING
TANK FARM

NOTES

1. THIS LOCALITY IS SHOWN ON USC & GS CHARTS NO. 16664,16660,16013, AND 500.
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NAVIGATION

ANCHORAGE HARBOR
ALASKA
REVISED 1995

NOTES

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6. THERE WERE NO NEW MONUMENTS ESTABLISHED DURING THIS SURVEY.
7. SEE DREDGE AREA INDEX SHEET ON SHEET 1 OF 4.

△ CONTROL DATA △

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C 1/4 COR	2,642,005.73	1,660,981.81	128.25	–
ZZ–1	2,644,301.39	1,660,846.61	38.70	–
PORT 1989	2,639,936.64	1,656,922.51	39.93	USACE SAC

PROJECT LIMITS

CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
1	2,642,361.74	1,657,313.54	10	2,644,277.40	1,659,732.10
2	2,643,360.52	1,659,049.08	11	2,644,283.94	1,659,714.10
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8	2,647,045.24	1,660,613.05	17	2,647,955.42	1,660,239.30
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CONTRACT NO. W911KB–04–R–0001
CONTRACTOR TERRA SURVEYS, LLC
CITY PALMER STATE ALASKA

ALASKA DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

SURVEYED: ECH/AVK
DRAWN: LES
CHECKED: KDW
SUBMITTED:

ANCHORAGE, ALASKA
PORT OF ANCHORAGE
2004–2005 MAINTENANCE DREDGING
PHASE II DREDGING
POST DREDGE SURVEY: NOVEMBER 1, 2004

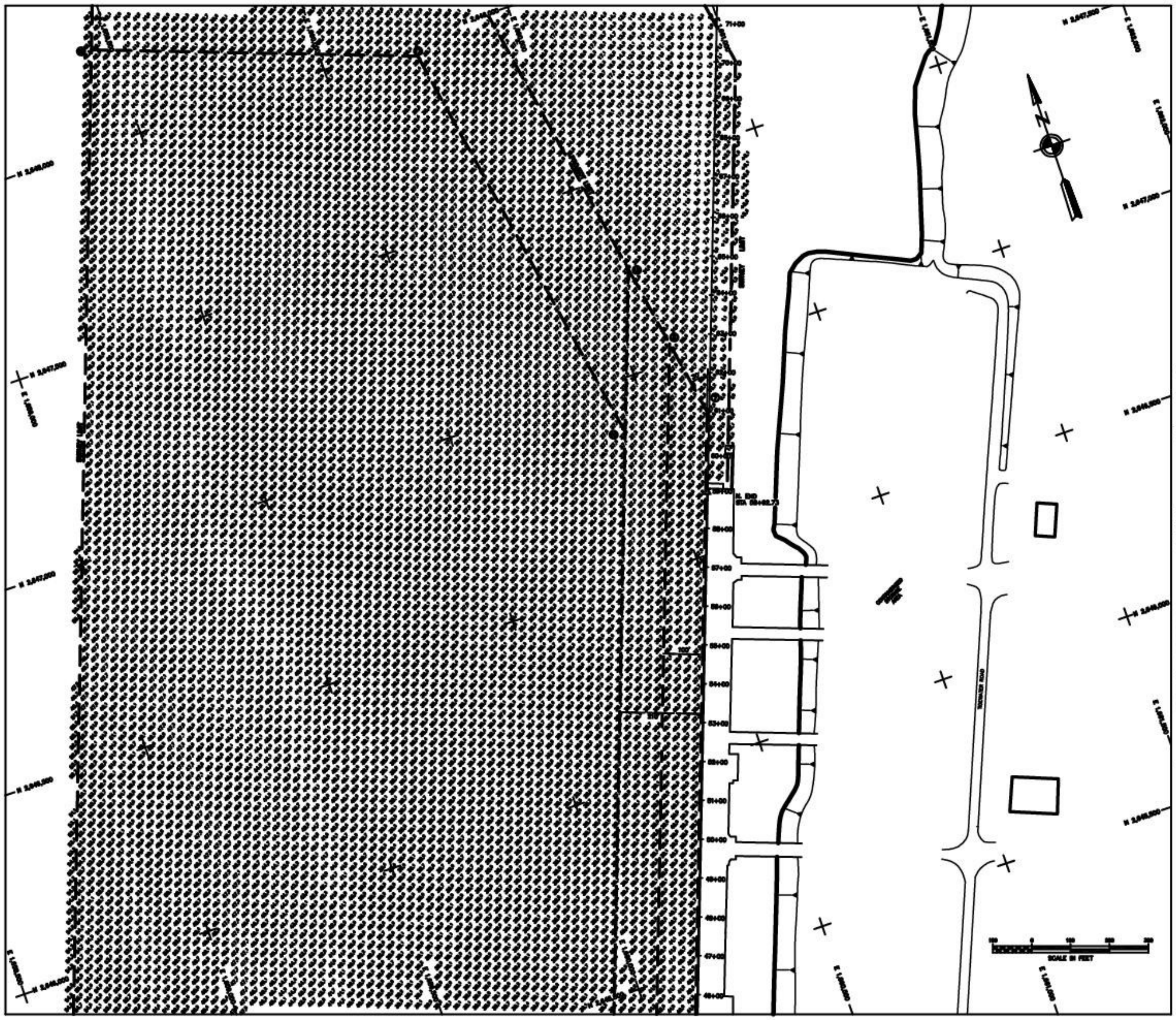
RECOMMENDED:
PROJECT MANAGER
APPROVED:
CHIEF OPERATIONS–READINESS BRANCH
DATE:

SURVEY NO. 2190–04
SCALE: 1" = 100'
SHEET 2 OF 4

SHEET 3 OF 4 CARGO DOCKS POST DREDGE 1 NOV 04

CORPS OF ENGINEERS

U. S. ARMY



ANCHORAGE HARBOR
ALASKA
REVISED 1995

NOTES

1. HORIZONTAL CONTROL IS ALASKA STATE PLANE ZONE 4, NAD 83, IN US SURVEY FEET, HOLDING USACE SBC "N. END 1976" AS N 2,646,658.19, E 1,660,082.43 AND USACE SBC "S. END 1976" AS N 2,644,299.20, E 1,658,723.47.
2. VERTICAL CONTROL IS IN FEET, REFERRING TO MEAN LOWER LOW WATER (MLLW=0.0'), BASED ON NOAA/NOS TIDAL BENCH MARK LIST "9455920 ANCHORAGE, KNIK ARM, COOK INLET, ALASKA", PUBLISHED 04/21/2003, HOLDING USC&GS SBC "TIDAL 15 1969" AS 40.53', AND USC&GS SBC "S 76 1964" AS 38.82'.
3. SOUNDINGS ARE IN FEET AND ARE MINUS UNLESS OTHERWISE INDICATED.
4. THIS SURVEY WAS PERFORMED NOVEMBER 1, 2004. SOUNDINGS WERE COLLECTED USING AN ODOM ECHOSCAN MULTIBEAM DEPTH SOUNDER WITH A 200kHz, 60° SWATH-WIDTH TRANSDUCER (3D-? BEAM ARRAY). POSITIONING AND TIDES WERE PROVIDED IN REAL TIME BY A SEATEX SEAPATH 200 RTK GPS RECEIVER OPERATING ON KINEMATIC CORRECTIONS BROADCAST FROM A SEATEX SEAPATH 200 GPS REFERENCE STATION SET AT USACE SBC "PORT 1999". VESSEL ATTITUDE WAS CORRECTED USING DATA FROM AN INTEGRATED SEATEX MRU-5 MOTION REFERENCE UNIT. REAL-TIME-KINEMATIC TIDE DATA WAS CALIBRATED TO MANUAL TIDE OBSERVATIONS HOLDING USC&GS SBC "TIDAL 15 1969" LOCATED AT NOAA TIDE STATION "9455920", AT THE PORT OF ANCHORAGE. SURVEY DATA WAS COLLECTED AND REDUCED USING QPS QINSy (V7) INTEGRATED SOFTWARE.
5. THIS SURVEY IS INDICATIVE OF GENERAL CONDITIONS ON THE DATE OF SURVEY.
6. THERE WERE NO NEW MONUMENTS ESTABLISHED DURING THIS SURVEY.
7. SEE DREDGE AREA INDEX SHEET ON SHEET 1 OF 4.

▲ CONTROL DATA ▲

STATION	NORTHING	EASTING	ELEV.	DESCRIPTION
N. END 1976	[illegible]	[illegible]	[illegible]	USACE SBC [illegible]
S. END 1976	[illegible]	[illegible]	[illegible]	USACE SBC [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	USC&GS SBC
[illegible]	[illegible]	[illegible]	[illegible]	–
[illegible] 1/4 COR	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	–
PORT 1999	[illegible]	[illegible]	[illegible]	USACE SAC

PROJECT LIMITS

CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
1	[illegible]	[illegible]	10	[illegible]	[illegible]
2	[illegible]	[illegible]	11	[illegible]	[illegible]
3	[illegible]	[illegible]	12	[illegible]	[illegible]
4	[illegible]	[illegible]	13	[illegible]	[illegible]
5	[illegible]	[illegible]	14	[illegible]	[illegible]
6	[illegible]	[illegible]	15	[illegible]	[illegible]
7	[illegible]	[illegible]	16	[illegible]	[illegible]
8	[illegible]	[illegible]	17	[illegible]	[illegible]
9	[illegible]	[illegible]	18	[illegible]	[illegible]

CONTRACT NO. [illegible]
CONTRACTOR TERRA SURVEYS, LLC
CITY PALMER STATE ALASKA

ALASKA DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

SURVEYED: ECH/AWK
DRAWN: LEB
CHECKED: KDW
SUBMITTED:

ANCHORAGE, ALASKA
PORT OF ANCHORAGE
2004–2005 MAINTENANCE DREDGING
PHASE II DREDGING
POST DREDGE SURVEY: NOVEMBER 1, 2004

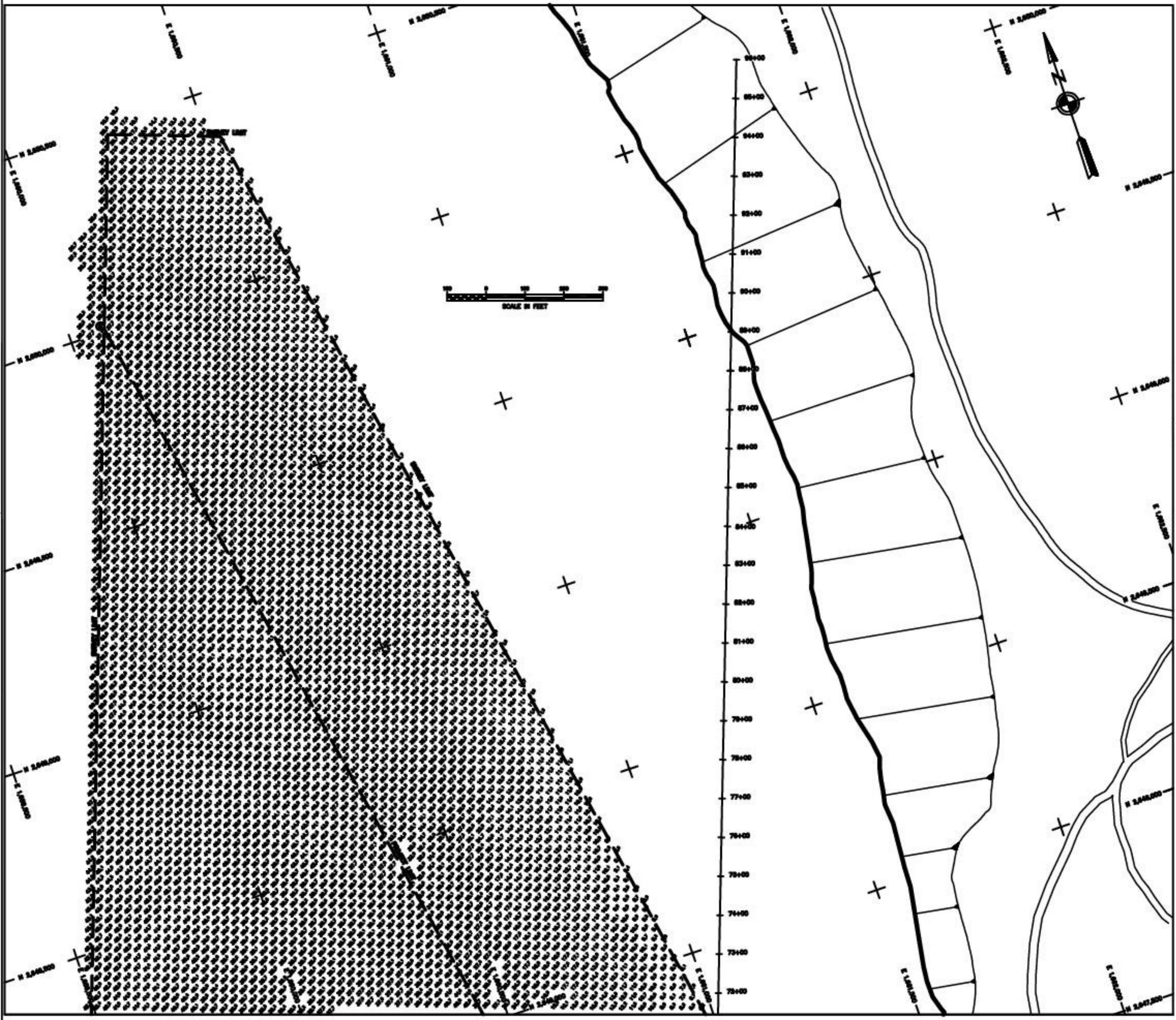
RECOMMENDED:
APPROVED:
DATE:

SURVEY NO. 2190–04

SCALE: 1" = 100'

SHEET 3 OF 4

SHEET 4 OF 4 NORTH END POST DREDGE 1 NOV 04


PROJECT LIMIT
SCALE IN FEET
N 2,650,000
E 1,660,000
96+00
95+00
94+00
93+00
92+00
91+00
90+00
89+00
88+00
87+00
86+00
85+00
84+00
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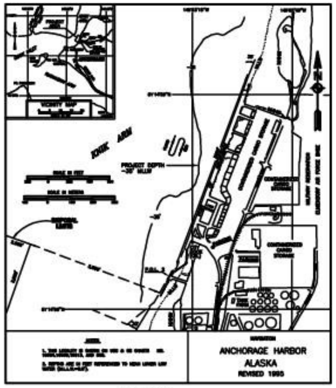
75+00
74+00
73+00
72+00


VICINITY MAP
KNIK ARM
PROJECT DEPTH -35' MLLW
ANCHORAGE HARBOR
ALASKA
REVISED 1995

NOTES

1. HORIZONTAL CONTROL IS ALASKA STATE PLANE ZONE 4, NAD 83, IN US SURVEY FEET, HOLDING USACE BSC "A END 1979" AS N 2,646,652.19, E 1,660,582.43 AND USACE BSC "B END 1979" AS N 2,644,258.30, E 1,659,720.47.
2. VERTICAL CONTROL IS IN FEET, REFERRED TO MEAN LOWER LOW WATER (MLLW=0.0'), BASED ON NOAA/NOS TIDAL BENCH MARK LIST "9455920 ANCHORAGE, KNIK ARM, COOK INLET, ALASKA", PUBLISHED 04/21/2003, HOLDING USC&GS BSC "TIDAL 18 1969" AS 40.23', AND USC&GS BSC "B 76 1964" AS 38.82'.
3. SOUNDINGS ARE IN FEET AND ARE MINUS UNLESS OTHERWISE INDICATED.
4. THIS SURVEY WAS PERFORMED NOVEMBER 1, 2004. SOUNDINGS WERE COLLECTED USING AN ODOM ECHOSCAN MULTIBEAM DEPTH SOUNDER WITH A 200KHz, 60° SWATH-WIDTH TRANSDUCER (30-3° BEAM ARRAY). POSITIONING AND TIDES WERE PROVIDED IN REAL TIME BY A SEATEX SEAPATH 200 RTK GPS RECEIVER OPERATING ON KINEMATIC CORRECTIONS BROADCAST FROM A SEATEX SEASTAR 300 GPS REFERENCE STATION SET AT USACE BAC "PORT 1999". VESSEL ATTITUDE WAS CORRECTED USING DATA FROM AN INTEGRATED SEATEX MRU-5 MOTION REFERENCE UNIT. REAL-TIME-KINEMATIC TIDE DATA WAS CALIBRATED TO MANUAL TIDE OBSERVATIONS HOLDING USC&GS BSC "TIDAL 18 1969" LOCATED AT NOAA TIDE STATION "9455920", AT THE PORT OF ANCHORAGE. SURVEY DATA WAS COLLECTED AND REDUCED USING QPS QINSy (V7) INTEGRATED SOFTWARE.
5. THIS SURVEY IS INDICATIVE OF GENERAL CONDITIONS ON THE DATE OF SURVEY.
6. THERE WERE NO NEW MONUMENTS ESTABLISHED DURING THIS SURVEY.
7. SEE DREDGE AREA INDEX SHEET ON SHEET 1 OF 4.

CONTROL DATA

STATION	NORTHING	EASTING	ELEV.	DESCRIPTION
A END 1979	[illegible]	[illegible]	[illegible]	USACE BSC [illegible]
B END 1979	[illegible]	1,659,720.47	40.47	USACE BSC [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	USC&GS BSC
CLIFF	[illegible]	[illegible]	[illegible]	–
C 1/4 COR	[illegible]	[illegible]	[illegible]	–
[illegible]	[illegible]	[illegible]	[illegible]	–
PORT 1999	[illegible]	[illegible]	[illegible]	USACE BAC

PROJECT LIMITS

CORNER	NORTHING	EASTING	CORNER	NORTHING	EASTING
1	[illegible]	[illegible]	10	[illegible]	[illegible]
2	[illegible]	[illegible]	11	[illegible]	[illegible]
3	[illegible]	[illegible]	12	[illegible]	[illegible]
4	[illegible]	[illegible]	13	[illegible]	[illegible]
5	[illegible]	[illegible]	14	[illegible]	[illegible]
6	[illegible]	[illegible]	15	[illegible]	[illegible]
7	[illegible]	[illegible]	16	[illegible]	[illegible]
8	[illegible]	[illegible]	17	[illegible]	[illegible]
9	[illegible]	[illegible]	18	[illegible]	[illegible]

CONTRACT NO. W911KB-04-R-0001
CONTRACTOR TERRA SURVEYS, LLC
CITY PALMER STATE ALASKA

ALASKA DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA

SURVEYED: ECH/AWK
DRAWN: LES
CHECKED: KDW
SUBMITTED:

ANCHORAGE, ALASKA
PORT OF ANCHORAGE
2004-2005 MAINTENANCE DREDGING
PHASE I DREDGING
POST DREDGE SURVEY: NOVEMBER 1, 2004

RECOMMENDED:
APPROVED:
DATE:

SURVEY NO.
2190-04
SCALE: 1" = 100'
SHEET 4 OF 4

DREDGING

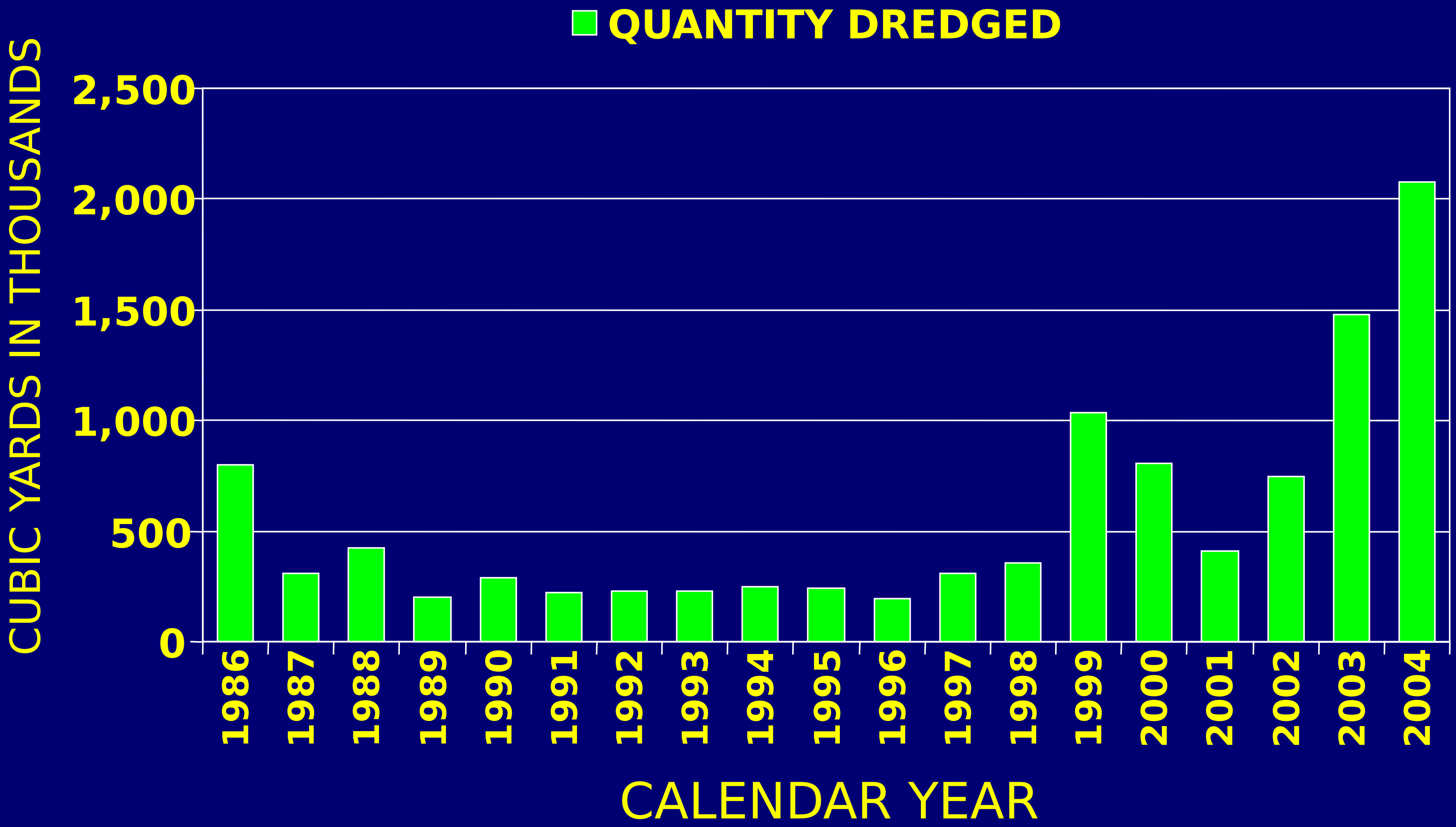
- TRADITIONALLY ACCOMPLISHED WITH A CLAMSHELL AND DU SCOW. YARDAGE TYPICALLY RUNS 5,000 TO 7,000 YARDS PER PAYMENT IS MADE BY “BARGE COUNT” OR ACTUAL QUANTITY REMOVED.

- EMERGENCY DREDGING IN EARLY WINTER1999 SAW THE FIR HOPPER EFFORT AT THE PORT. THE CORPS DREDGE *ESSAYON* REMOVED ABOUT 565,000 YARDS IN TWO WEEKS.

- MANSON’S HOPPER DREDGE *WESTPORT* HAS WORKED IN CONJUNCTION WITH A CLAMSHELL THE LAST TWO YEARS AND REMOVES ABOUT 10,000 YARDS A DAY.

- HOPPER DREDGES ACHIEVE A SIGNIFICANT PORTION OF THE VOLUME BY FLOODING THEIR HOPPERS AND ALLOWING THE T TO REMOVE THE SUSPENDED SEDIMENT FROM THE PROJECT. PAYMENT FOR DREDGE QUANTITY IS MADE BY SURVEY.

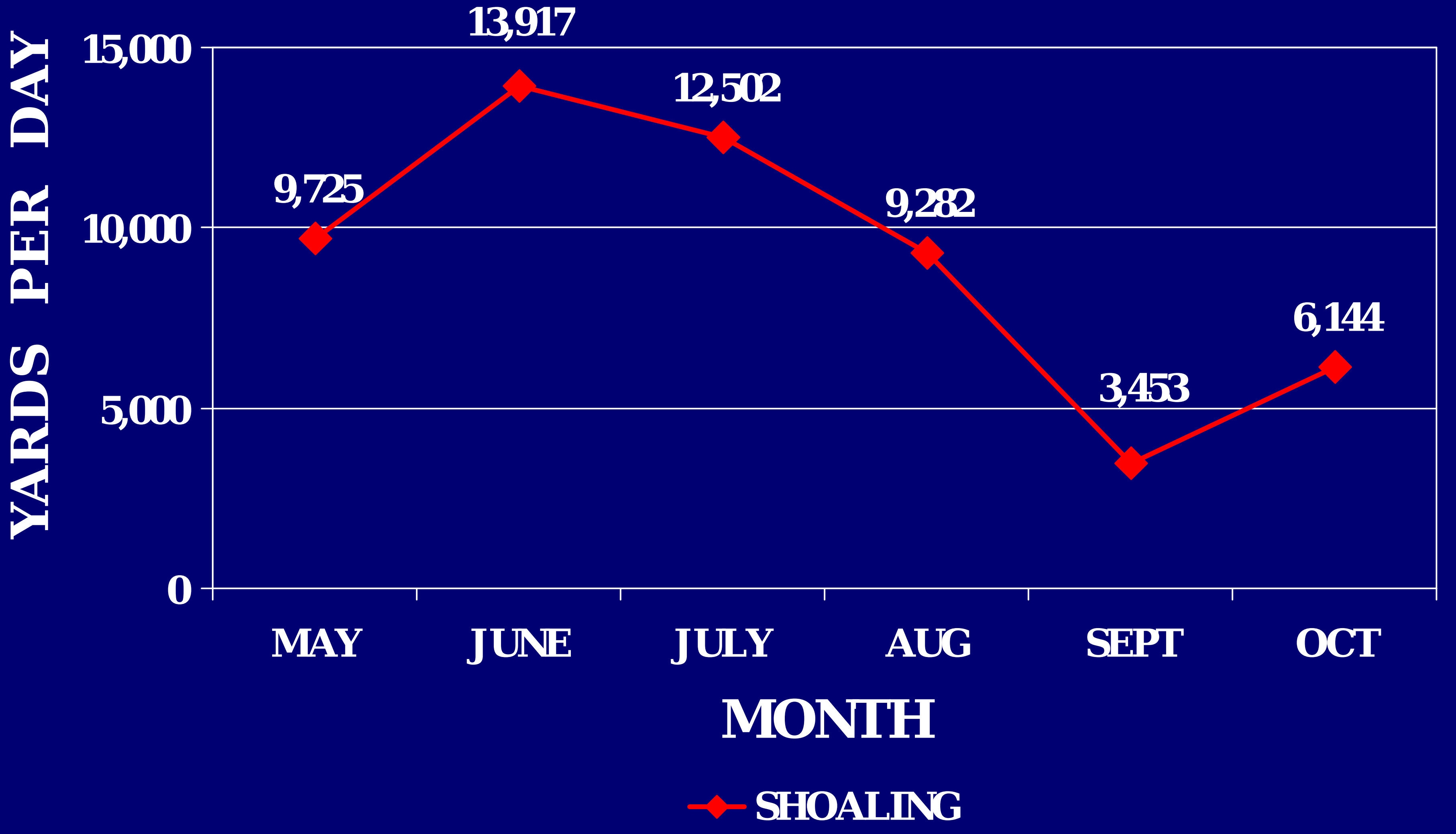
ANNUAL DREDGE QUANTITIES



US Army Corps
of Engineers
Alaska District

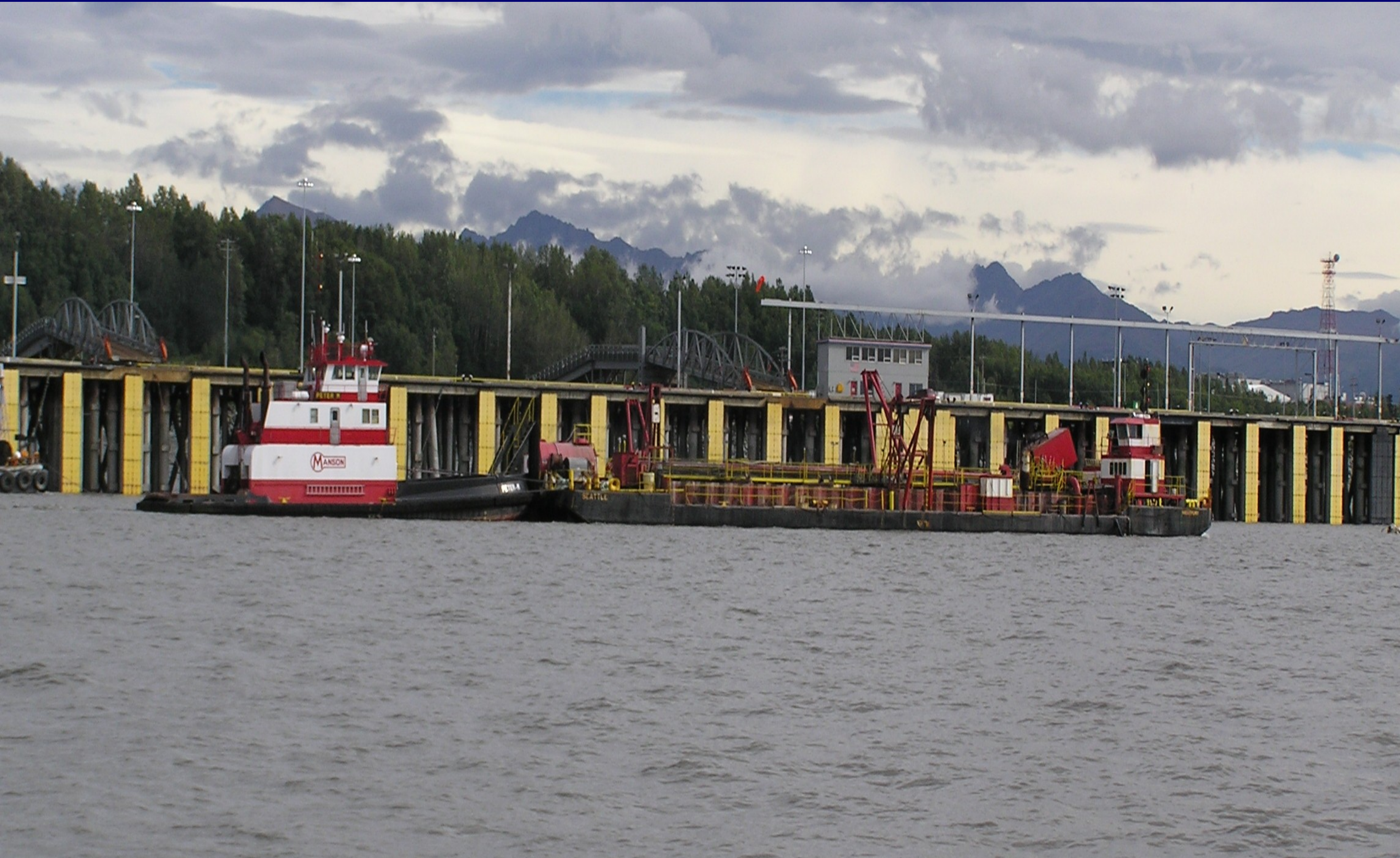
AVERAGE SHOALING RATE for the PORT OF ANCHORAGE 2004

AK



DUTRA

Hopper Dredge Westport


PETER H
MANSON
SEATTLE

Comps and Quantities

- THE CORPS RECEIVES FINAL EDITED COGO POINT FILES BY E
ABOUT 2 DAYS AFTER COMPLETION OF THE FIELD SURVEY.

- A SURFACE IS CREATED FROM THE POINT FILE IN AUTOCAD L
USING THE CIVIL DESIGN MODULE. EXTRANEOUS LINES ARE
DELETED FROM THE “TIN”.

- STRATA ARE CREATED BETWEEN THE SURVEY SURFACE AND
EACH DESIGN ELEVATION FOR THE SEVERAL AREAS.

- CUT AND FILL NUMBERS ARE THEN COMPUTED FOR EACH ST
AS THEY ARE CREATED AND RECORDED ON A SPREADSHEET.

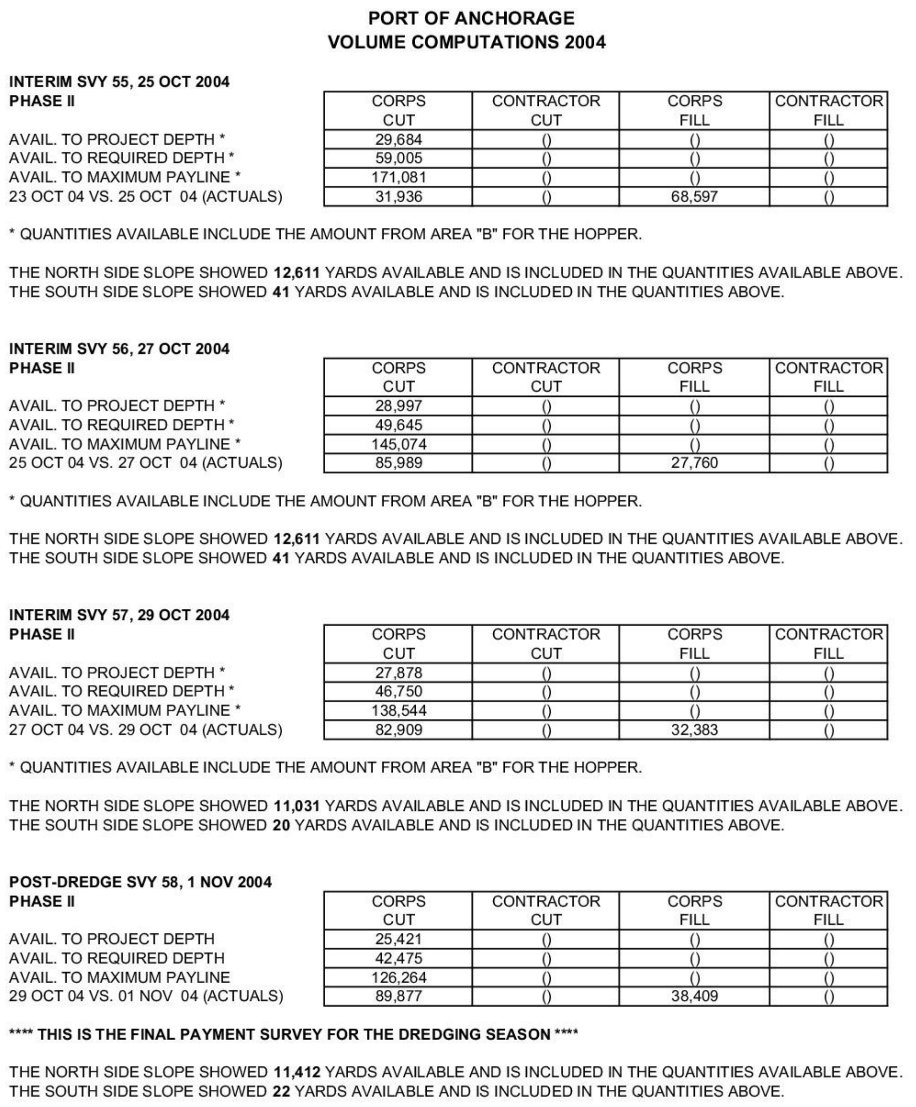
- HOPPER QUANTITIES REQUIRE THE SURVEY TO SURVEY STRA
TO BE CREATED AND THEN EACH VOLUME SITE IS CUSTOM FIT
TO COMPUTE THE SPECIFIC QUANTITIES FOR HOPPER. OVER-
DREDGING IS ALSO COMPUTED.

ANCHORAGE VOLUME COMPUTATIONS

DATE:	1-Nov-2004								
AREA A	-35 PROJECT DEPTH (P.D.)		-36 REQUIRED DEPTH (R.D.)		-37 MAXIMUM PAYLINE (M.P.)				
Bucket Only	CUT	FILL	CUT	FILL	CUT	FILL			
	24	50,618	97	40,249	340	30,060			OVERDRE
Previous svy	18	41,218	158	30,917	671	20,988			9,072
AREA C	-35 P.D.		-38 R.D.		-39 M.P.				
Bucket Only	CUT	FILL	CUT	FILL	CUT	FILL			OVERDRE
	307	7,446	1,571	1,691	2,744	524	SHIP AT POL #2		0
Previous svy	2,291	15,129	5,255	3,713	7,669	1,320			
AREA D	-35 P.D.		-37 M.P.		-38 R.D. (phase II hopper)		-39 M.P. (phase II hopper)		
	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	
Bucket phase I									
Hopper phase II	0	68,679			1,337	21,621	6,498	10,828	OVERDRE
Previous svy	0	66,941			912	19,458	6,578	9,019	1,809
AREA E	-35 P.D.		-37 R.D.		-38 R.D. (phase II hopper)		-39 M.P. (both methods)		
	CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL	
Total	13,628	212,563	21,003	132,055	28,389	95,500	44,256	67,425	
Bucket phase I *	13,606	49,945	20,632	31,259	26,369	24,139	33,585	18,499	
Hopper phase II *	22	162,618	371	100,796	2,020	71,361	10,671	48,926	
Previous svy total	14,546	205,794	22,541	126,023	30,343	89,942	46,110	61,827	
AREA B	-35 PROJECT DEPTH (P.D.)		-38 REQUIRED DEPTH (R.D.)		-39 MAXIMUM PAYLINE (M.P.)				
Hopper Only	CUT	FILL	CUT	FILL	CUT	FILL			
Phase II	28	2,310,327	5,384	1,517,247	60,983	1,306,700			
Previous svy	12	2,280,403	5,439	1,486,620	66,465	1,281,242			
NORTH S.S.	CUT	FILL	CUT	FILL	CUT	FILL			
	11,412	645,805	11,412	645,805	11,412	645,805			
Previous svy	11,031	642,415							
SOUTH S.S.	CUT	FILL	CUT	FILL	CUT	FILL			
	22	210,024	22	210,024	22	210,024			
Previous svy	20	209,908							
TOTALS	AVAILABLE TO P. D.		AVAILABLE TO R. D.		AVAILABLE TO M. P.				
TOTAL (WITH SS)	25,421		42,475		126,264				
BUCKET (A,C,E *, SS)	25,371		33,734		48,112				
HOPPER (B,D,E *)	50		8,741		78,152				
SVY TO SVY	SVY (1) DATE	SVY (2) DATE	CUT	FILL					
Actuals	29 OCT 04	01 NOV 04	89,877	38,409					

* E Area Virgin Dredging not complete in Phase I. Quantity divided between Bucket and Hopper to account for Virgin Material and Area available for Hopper.

Comps and Quantities



PORT OF ANCHORAGE
VOLUME COMPUTATIONS 2004

INTERIM SVY 55, 25 OCT 2004
PHASE II

	CORPS CUT	CONTRACTOR CUT	CORPS FILL	CONTRACTOR FILL
AVAIL. TO PROJECT DEPTH *	29,684	()	()	()
AVAIL. TO REQUIRED DEPTH *	59,005	()	()	()
AVAIL. TO MAXIMUM PAYLINE *	171,081	()	()	()
23 OCT 04 VS. 25 OCT 04 (ACTUALS)	31,936	()	68,597	()

* QUANTITIES AVAILABLE INCLUDE THE AMOUNT FROM AREA "B" FOR THE HOPPER.

THE NORTH SIDE SLOPE SHOWED **12,611** YARDS AVAILABLE AND IS INCLUDED IN THE QUANTITIES AVAILABLE ABOVE.
THE SOUTH SIDE SLOPE SHOWED **41** YARDS AVAILABLE AND IS INCLUDED IN THE QUANTITIES ABOVE.

INTERIM SVY 56, 27 OCT 2004
PHASE II

	CORPS CUT	CONTRACTOR CUT	CORPS FILL	CONTRACTOR FILL
AVAIL. TO PROJECT DEPTH *	28,997	()	()	()
AVAIL. TO REQUIRED DEPTH *	49,645	()	()	()
AVAIL. TO MAXIMUM PAYLINE *	145,074	()	()	()
25 OCT 04 VS. 27 OCT 04 (ACTUALS)	85,989	()	27,760	()

* QUANTITIES AVAILABLE INCLUDE THE AMOUNT FROM AREA "B" FOR THE HOPPER.

THE NORTH SIDE SLOPE SHOWED **12,611** YARDS AVAILABLE AND IS INCLUDED IN THE QUANTITIES AVAILABLE ABOVE.
THE SOUTH SIDE SLOPE SHOWED **41** YARDS AVAILABLE AND IS INCLUDED IN THE QUANTITIES ABOVE.

INTERIM SVY 57, 29 OCT 2004
PHASE II

	CORPS CUT	CONTRACTOR CUT	CORPS FILL	CONTRACTOR FILL
AVAIL. TO PROJECT DEPTH *	27,878	()	()	()
AVAIL. TO REQUIRED DEPTH *	46,750	()	()	()
AVAIL. TO MAXIMUM PAYLINE *	138,544	()	()	()
27 OCT 04 VS. 29 OCT 04 (ACTUALS)	82,909	()	32,383	()

* QUANTITIES AVAILABLE INCLUDE THE AMOUNT FROM AREA "B" FOR THE HOPPER.

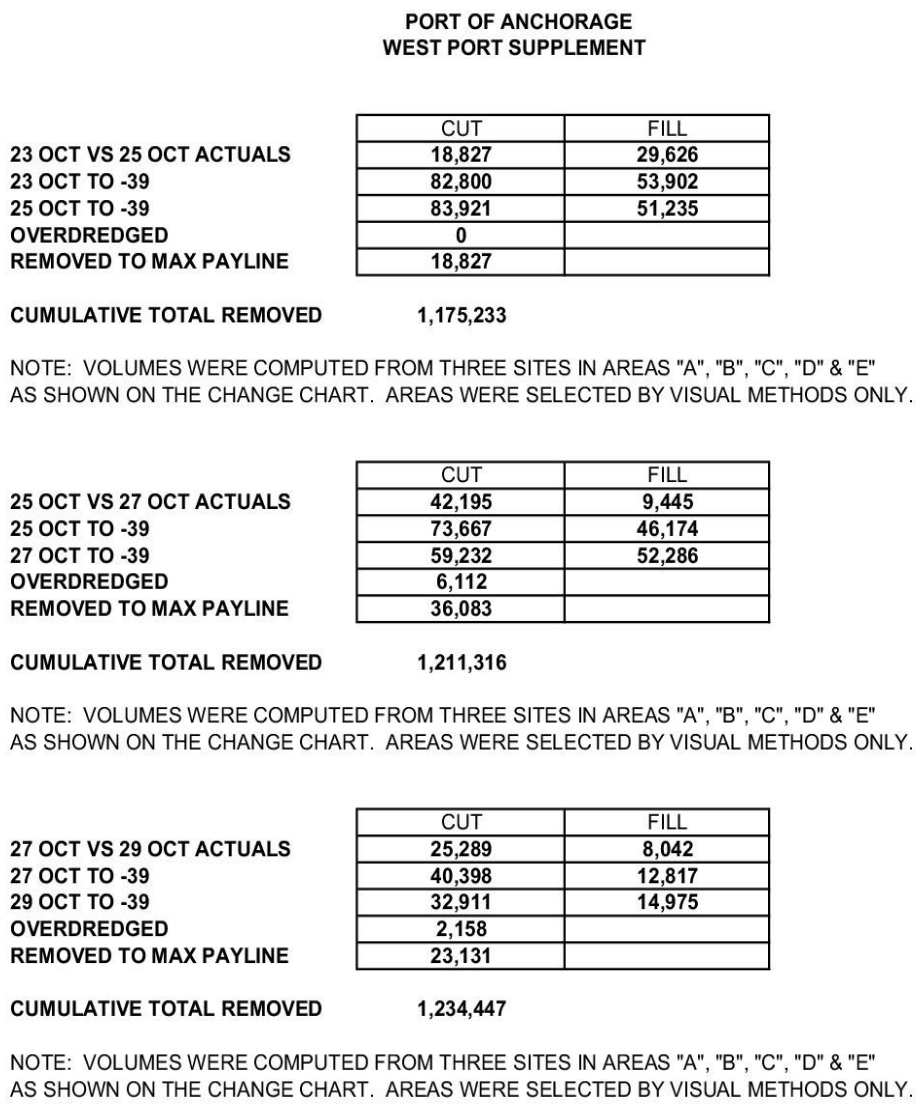
THE NORTH SIDE SLOPE SHOWED **11,031** YARDS AVAILABLE AND IS INCLUDED IN THE QUANTITIES AVAILABLE ABOVE.
THE SOUTH SIDE SLOPE SHOWED **20** YARDS AVAILABLE AND IS INCLUDED IN THE QUANTITIES ABOVE.

POST-DREDGE SVY 58, 1 NOV 2004
PHASE II

	CORPS CUT	CONTRACTOR CUT	CORPS FILL	CONTRACTOR FILL
AVAIL. TO PROJECT DEPTH	25,421	()	()	()
AVAIL. TO REQUIRED DEPTH	42,475	()	()	()
AVAIL. TO MAXIMUM PAYLINE	126,264	()	()	()
29 OCT 04 VS. 01 NOV 04 (ACTUALS)	89,877	()	38,409	()

****** THIS IS THE FINAL PAYMENT SURVEY FOR THE DREDGING SEASON ******

THE NORTH SIDE SLOPE SHOWED **11,412** YARDS AVAILABLE AND IS INCLUDED IN THE QUANTITIES AVAILABLE ABOVE.
THE SOUTH SIDE SLOPE SHOWED **22** YARDS AVAILABLE AND IS INCLUDED IN THE QUANTITIES ABOVE.



PORT OF ANCHORAGE
WEST PORT SUPPLEMENT

	CUT	FILL
23 OCT VS 25 OCT ACTUALS	**18,827**	**29,626**
23 OCT TO -39	**82,800**	**53,902**
25 OCT TO -39	**83,921**	**51,235**
OVERDREDGED	**0**	
REMOVED TO MAX PAYLINE	**18,827**	

CUMULATIVE TOTAL REMOVED **1,175,233**

NOTE: VOLUMES WERE COMPUTED FROM THREE SITES IN AREAS "A", "B", "C", "D" & "E" AS SHOWN ON THE CHANGE CHART. AREAS WERE SELECTED BY VISUAL METHODS ONLY.

	CUT	FILL
25 OCT VS 27 OCT ACTUALS	**42,195**	**9,445**
25 OCT TO -39	**73,667**	**46,174**
27 OCT TO -39	**59,232**	**52,286**
OVERDREDGED	**6,112**	
REMOVED TO MAX PAYLINE	**36,083**	

CUMULATIVE TOTAL REMOVED **1,211,316**

NOTE: VOLUMES WERE COMPUTED FROM THREE SITES IN AREAS "A", "B", "C", "D" & "E" AS SHOWN ON THE CHANGE CHART. AREAS WERE SELECTED BY VISUAL METHODS ONLY.

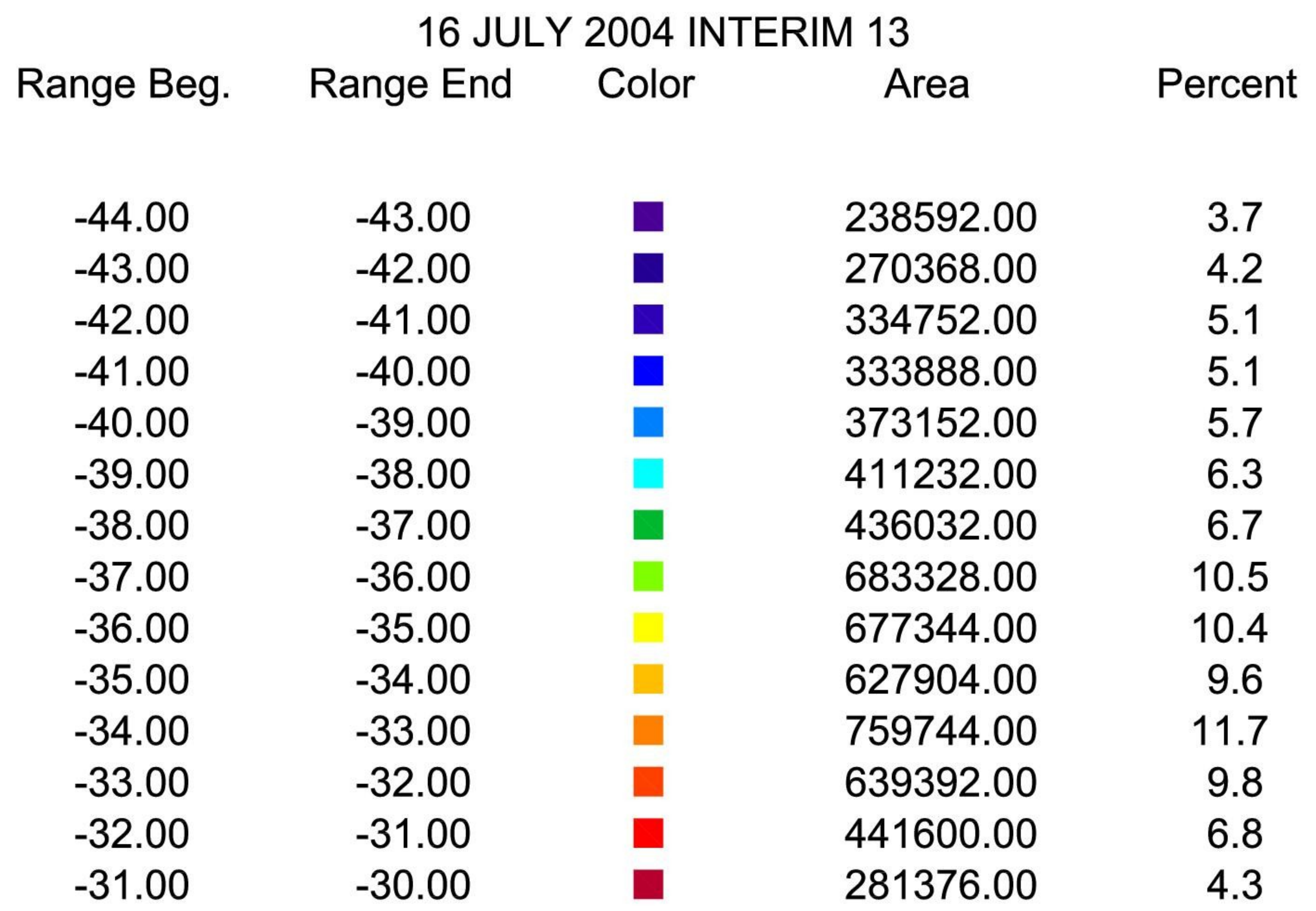
	CUT	FILL
27 OCT VS 29 OCT ACTUALS	**25,289**	**8,042**
27 OCT TO -39	**40,398**	**12,817**
29 OCT TO -39	**32,911**	**14,975**
OVERDREDGED	**2,158**	
REMOVED TO MAX PAYLINE	**23,131**	

CUMULATIVE TOTAL REMOVED **1,234,447**

NOTE: VOLUMES WERE COMPUTED FROM THREE SITES IN AREAS "A", "B", "C", "D" & "E" AS SHOWN ON THE CHANGE CHART. AREAS WERE SELECTED BY VISUAL METHODS ONLY.

Color Charts

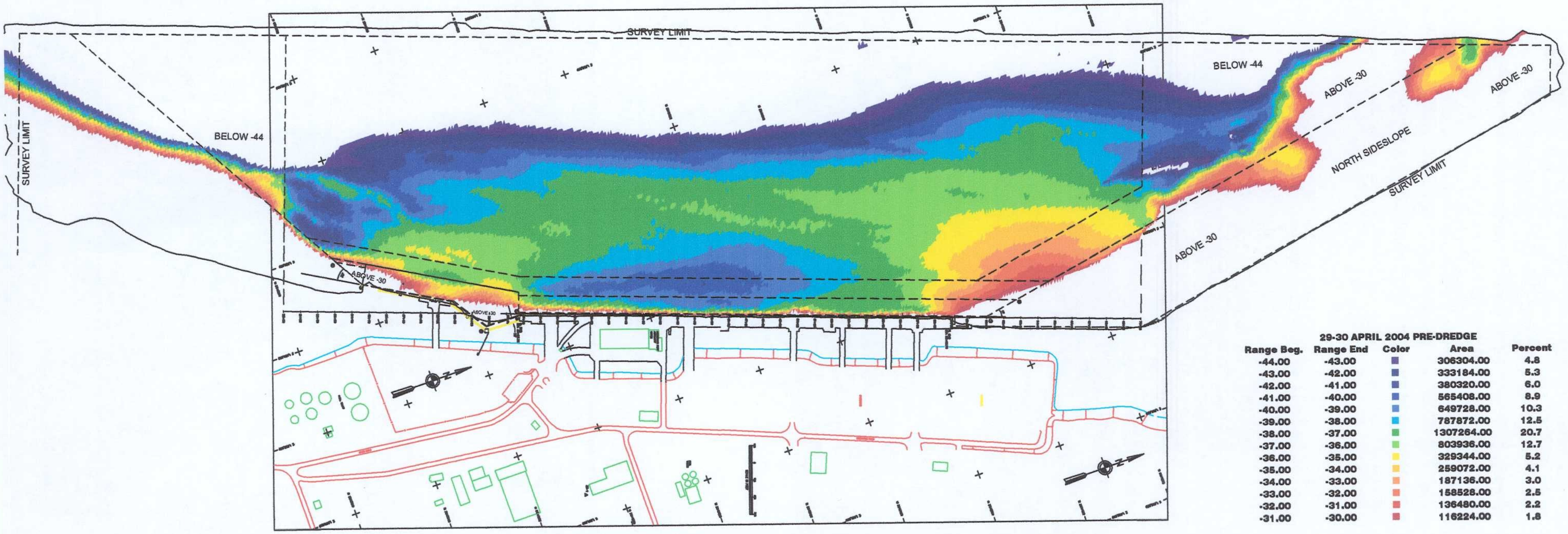
STANDARD COLOR CHART LEGEND



16 JULY 2004 INTERIM 13

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	238592.00	3.7
-43.00	-42.00	🟪	270368.00	4.2
-42.00	-41.00	🟪	334752.00	5.1
-41.00	-40.00	🟦	333888.00	5.1
-40.00	-39.00	🟦	373152.00	5.7
-39.00	-38.00	🟦	411232.00	6.3
-38.00	-37.00	🟩	436032.00	6.7
-37.00	-36.00	🟩	683328.00	10.5
-36.00	-35.00	🟨	677344.00	10.4
-35.00	-34.00	🟨	627904.00	9.6
-34.00	-33.00	🟧	759744.00	11.7
-33.00	-32.00	🟧	639392.00	9.8
-32.00	-31.00	🟥	441600.00	6.8
-31.00	-30.00	🟥	281376.00	4.3

Color Charts

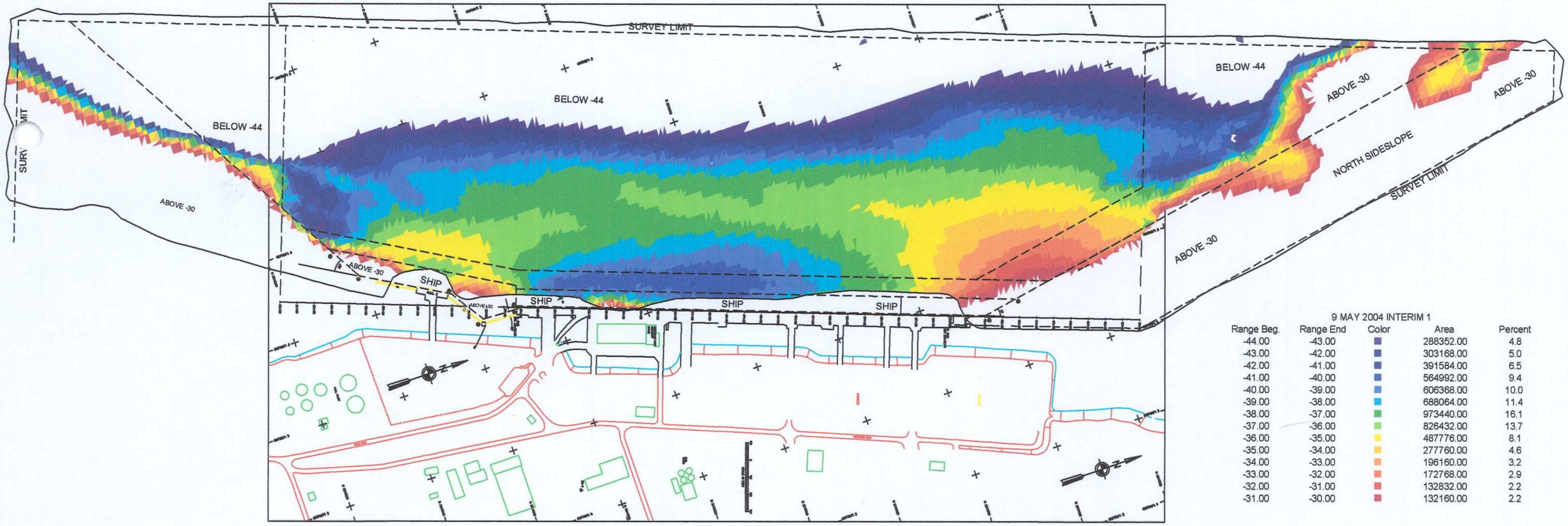

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

29-30 APRIL 2004 PRE-DREDGE

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	306304.00	4.8
-43.00	-42.00	🟦	333184.00	5.3
-42.00	-41.00	🟦	380320.00	6.0
-41.00	-40.00	🟦	565408.00	8.9
-40.00	-39.00	🟦	649728.00	10.3
-39.00	-38.00	🟦	787872.00	12.5
-38.00	-37.00	🟩	1307264.00	20.7
-37.00	-36.00	🟩	803936.00	12.7
-36.00	-35.00	🟨	329344.00	5.2
-35.00	-34.00	🟧	259072.00	4.1
-34.00	-33.00	🟧	187136.00	3.0
-33.00	-32.00	🟥	158528.00	2.5
-32.00	-31.00	🟥	136480.00	2.2
-31.00	-30.00	🟥	116224.00	1.8

ANCHORAGE PRE-DREDGE 29-30 APR 04

Color Charts

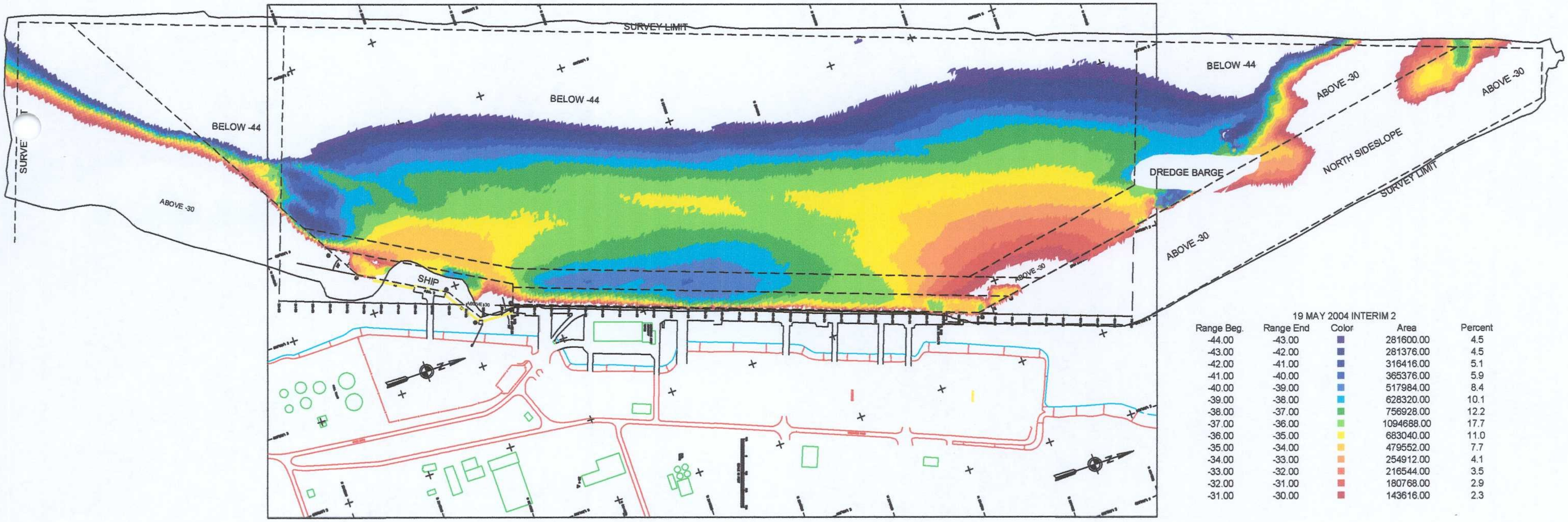

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SURV
SHIP
SHIP
SHIP
SHIP

9 MAY 2004 INTERIM 1

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	288352.00	4.8
-43.00	-42.00	🟪	303168.00	5.0
-42.00	-41.00	🟦	391584.00	6.5
-41.00	-40.00	🟦	564992.00	9.4
-40.00	-39.00	🟦	606368.00	10.0
-39.00	-38.00	🟦	688064.00	11.4
-38.00	-37.00	🟩	973440.00	16.1
-37.00	-36.00	🟩	826432.00	13.7
-36.00	-35.00	🟨	487776.00	8.1
-35.00	-34.00	🟨	277760.00	4.6
-34.00	-33.00	🟧	196160.00	3.2
-33.00	-32.00	🟧	172768.00	2.9
-32.00	-31.00	🟥	132832.00	2.2
-31.00	-30.00	🟥	132160.00	2.2

ANCHORAGE INTERIM 9 MAY 04

Color Charts

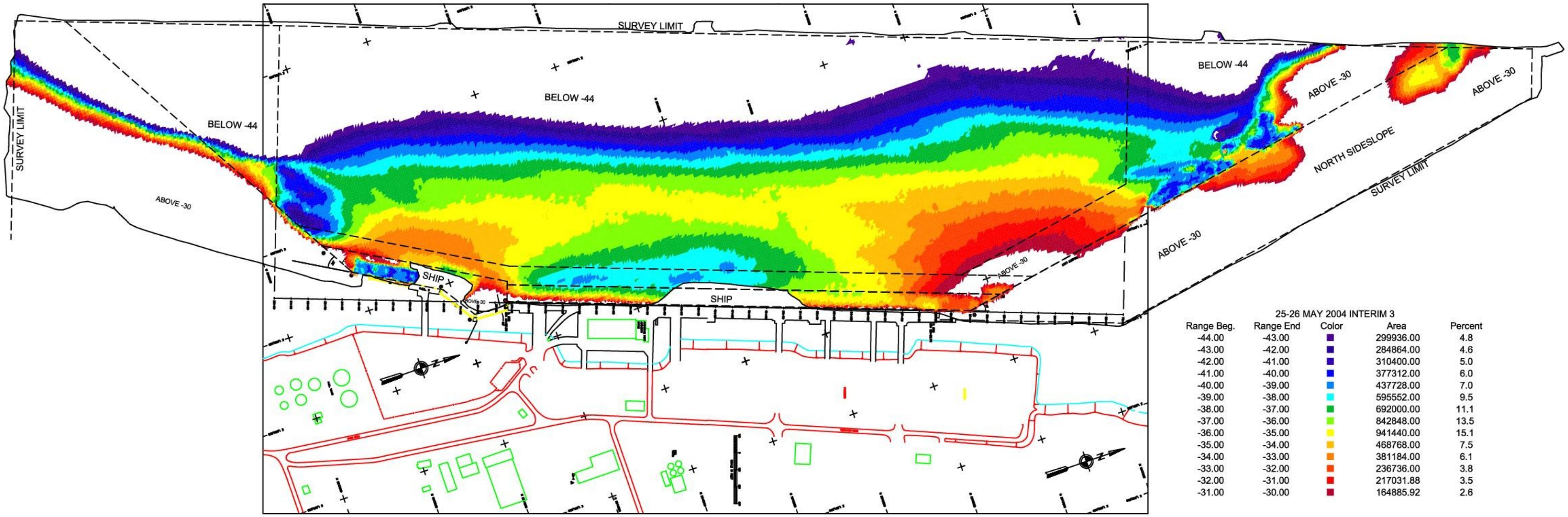

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
SURVE
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
DREDGE BARGE
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

19 MAY 2004 INTERIM 2

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	281600.00	4.5
-43.00	-42.00	🟪	281376.00	4.5
-42.00	-41.00	🟪	316416.00	5.1
-41.00	-40.00	🟦	365376.00	5.9
-40.00	-39.00	🟦	517984.00	8.4
-39.00	-38.00	🟦	628320.00	10.1
-38.00	-37.00	🟩	756928.00	12.2
-37.00	-36.00	🟩	1094688.00	17.7
-36.00	-35.00	🟨	683040.00	11.0
-35.00	-34.00	🟧	479552.00	7.7
-34.00	-33.00	🟧	254912.00	4.1
-33.00	-32.00	🟥	216544.00	3.5
-32.00	-31.00	🟥	180768.00	2.9
-31.00	-30.00	🟥	143616.00	2.3

ANCHORAGE INTERIM 19 MAY 04

Color Charts

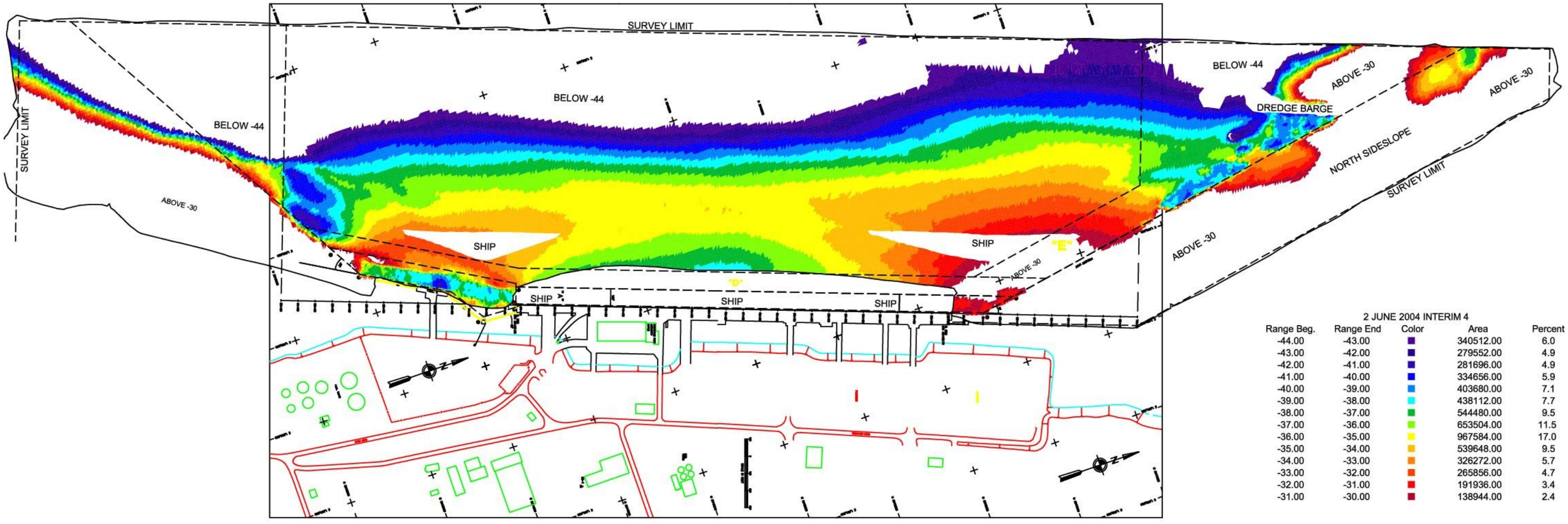

SURVEY LIMIT
SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SHIP
SHIP

25-26 MAY 2004 INTERIM 3

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	299936.00	4.8
-43.00	-42.00	🟪	284864.00	4.6
-42.00	-41.00	🟪	310400.00	5.0
-41.00	-40.00	🟦	377312.00	6.0
-40.00	-39.00	🟦	437728.00	7.0
-39.00	-38.00	🟦	595552.00	9.5
-38.00	-37.00	🟩	692000.00	11.1
-37.00	-36.00	🟩	842848.00	13.5
-36.00	-35.00	🟨	941440.00	15.1
-35.00	-34.00	🟨	468768.00	7.5
-34.00	-33.00	🟧	381184.00	6.1
-33.00	-32.00	🟧	236736.00	3.8
-32.00	-31.00	🟥	217031.88	3.5
-31.00	-30.00	🟥	164885.92	2.6

ANCHORAGE INTERIM 3, 25-26 MAY 04

Color Charts

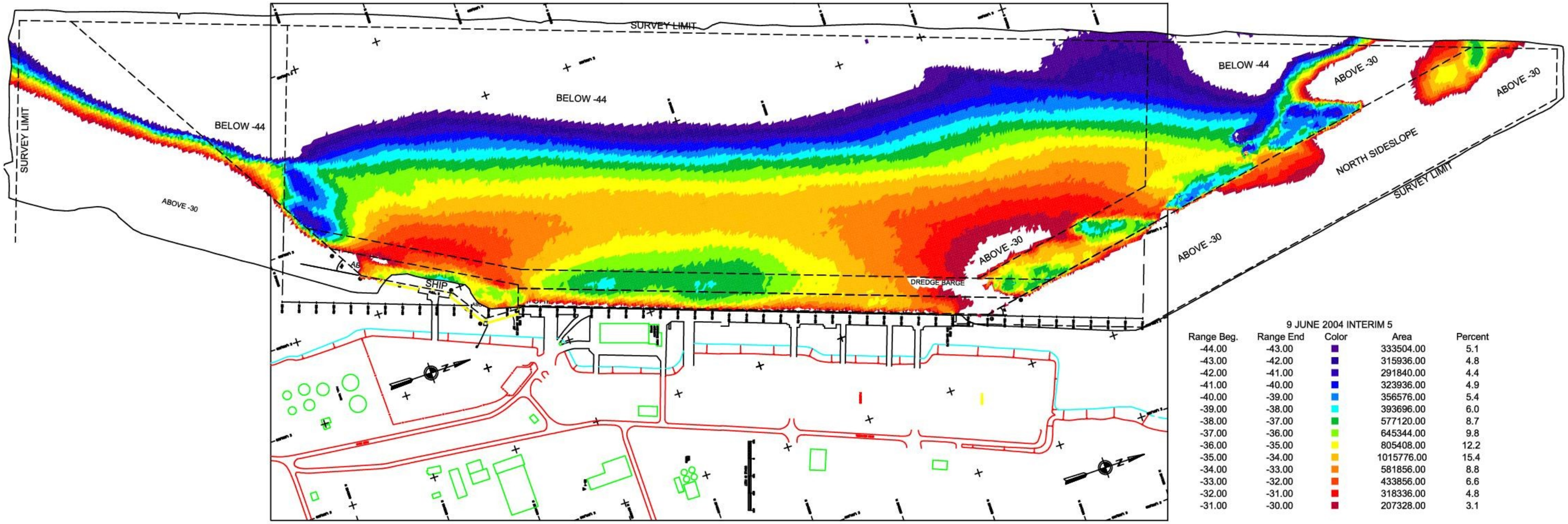

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
DREDGE BARGE
NORTH SIDESLOPE
SURVEY LIMIT
SHIP
SHIP
SHIP
SHIP
SHIP
"D"
"E"

2 JUNE 2004 INTERIM 4

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	340512.00	6.0
-43.00	-42.00	🟪	279552.00	4.9
-42.00	-41.00	🟪	281696.00	4.9
-41.00	-40.00	🟦	334656.00	5.9
-40.00	-39.00	🟦	403680.00	7.1
-39.00	-38.00	🟦	438112.00	7.7
-38.00	-37.00	🟩	544480.00	9.5
-37.00	-36.00	🟩	653504.00	11.5
-36.00	-35.00	🟨	967584.00	17.0
-35.00	-34.00	🟧	539648.00	9.5
-34.00	-33.00	🟧	326272.00	5.7
-33.00	-32.00	🟧	265856.00	4.7
-32.00	-31.00	🟥	191936.00	3.4
-31.00	-30.00	🟥	138944.00	2.4

ANCHORAGE INTERIM 4, 2 JUNE 04

Color Charts

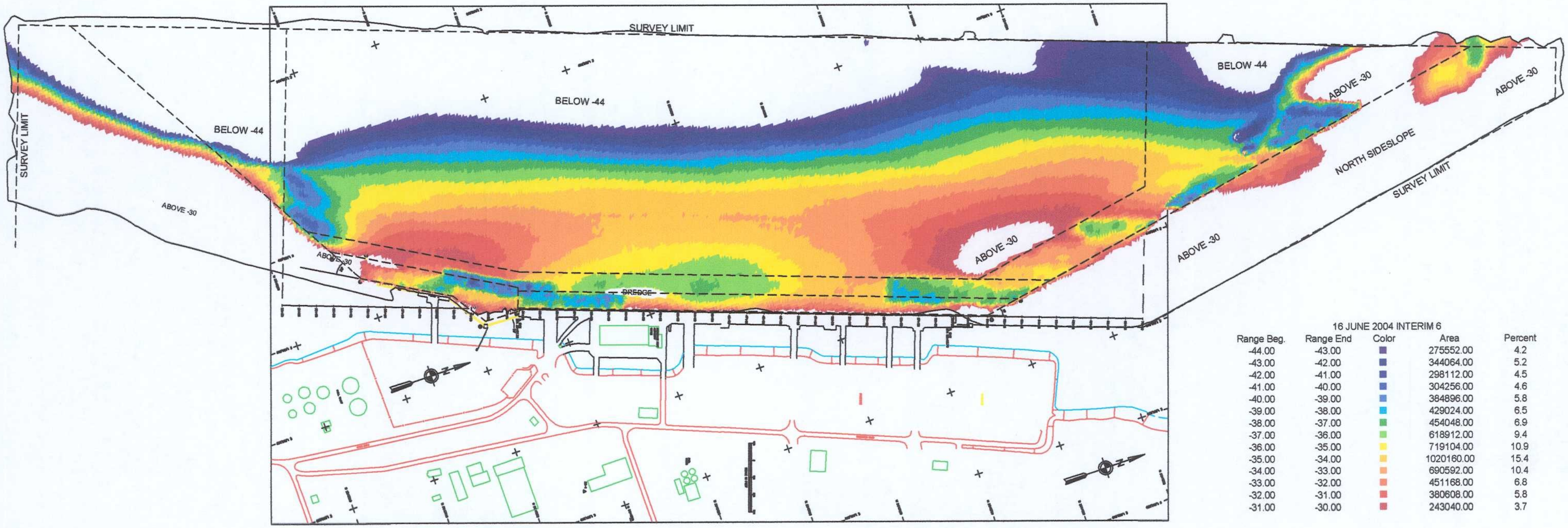

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SURVEY LIMIT
SHIP
DREDGE BARGE

9 JUNE 2004 INTERIM 5

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	333504.00	5.1
-43.00	-42.00	🟦	315936.00	4.8
-42.00	-41.00	🟦	291840.00	4.4
-41.00	-40.00	🟦	323936.00	4.9
-40.00	-39.00	🟦	356576.00	5.4
-39.00	-38.00	🟦	393696.00	6.0
-38.00	-37.00	🟩	577120.00	8.7
-37.00	-36.00	🟩	645344.00	9.8
-36.00	-35.00	🟨	805408.00	12.2
-35.00	-34.00	🟧	1015776.00	15.4
-34.00	-33.00	🟧	581856.00	8.8
-33.00	-32.00	🟥	433856.00	6.6
-32.00	-31.00	🟥	318336.00	4.8
-31.00	-30.00	🟥	207328.00	3.1

ANCHORAGE INTERIM 5, 9 JUNE 04

Color Charts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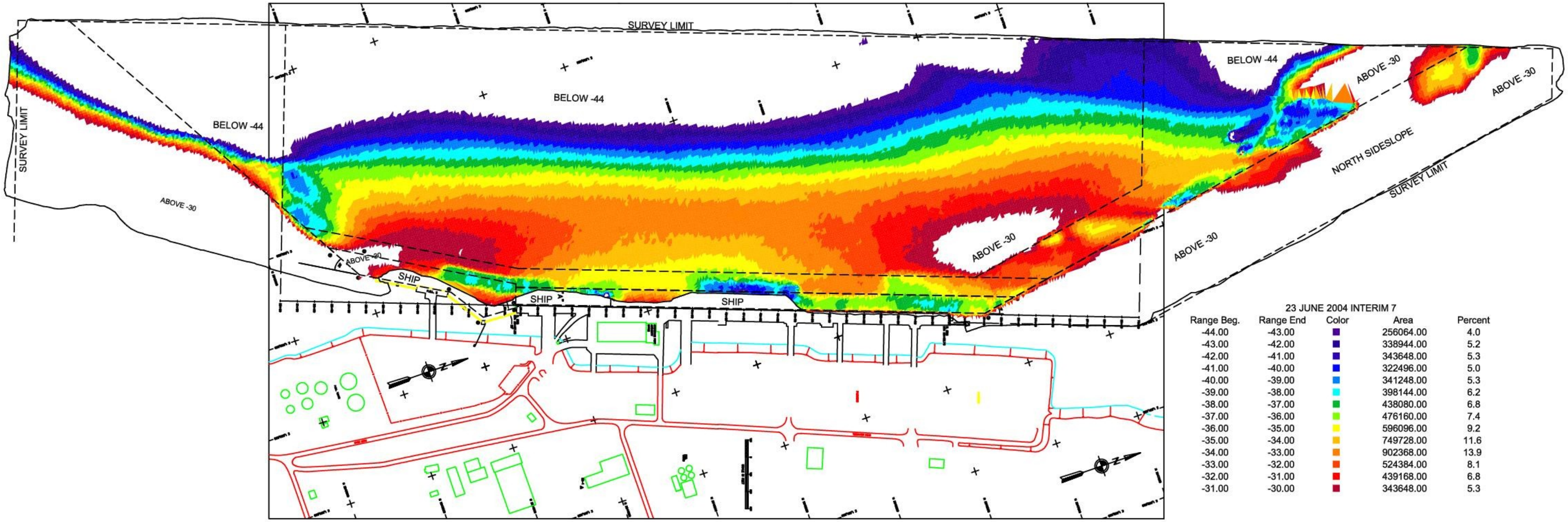
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE

16 JUNE 2004 INTERIM 6

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	275552.00	4.2
-43.00	-42.00	🟪	344064.00	5.2
-42.00	-41.00	🟪	298112.00	4.5
-41.00	-40.00	🟦	304256.00	4.6
-40.00	-39.00	🟦	384896.00	5.8
-39.00	-38.00	🟦	429024.00	6.5
-38.00	-37.00	🟩	454048.00	6.9
-37.00	-36.00	🟩	618912.00	9.4
-36.00	-35.00	🟨	719104.00	10.9
-35.00	-34.00	🟧	1020160.00	15.4
-34.00	-33.00	🟧	690592.00	10.4
-33.00	-32.00	🟥	451168.00	6.8
-32.00	-31.00	🟥	380608.00	5.8
-31.00	-30.00	🟥	243040.00	3.7

ANCHORAGE INTERIM 6, 16 JUNE 04

Color Charts

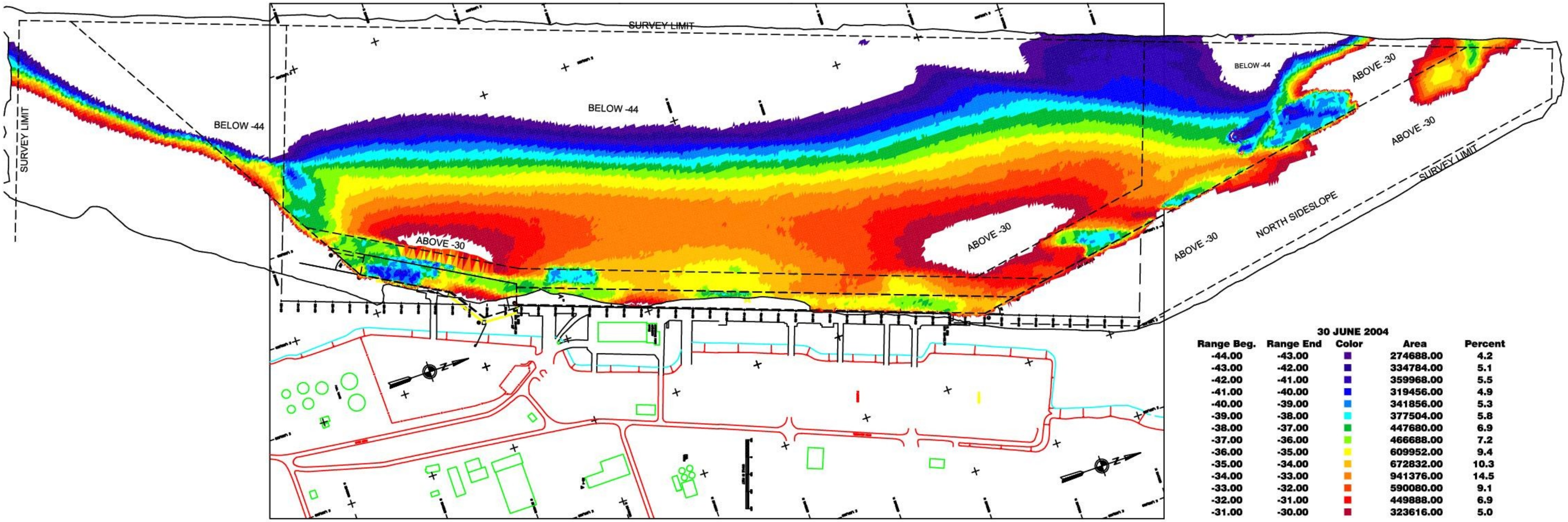

SURVEY LIMIT
BELOW -44
ABOVE -30
SHIP
NORTH SIDESLOPE
SURVEY LIMIT

23 JUNE 2004 INTERIM 7

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	256064.00	4.0
-43.00	-42.00	🟪	338944.00	5.2
-42.00	-41.00	🟪	343648.00	5.3
-41.00	-40.00	🟦	322496.00	5.0
-40.00	-39.00	🟦	341248.00	5.3
-39.00	-38.00	🟦	398144.00	6.2
-38.00	-37.00	🟩	438080.00	6.8
-37.00	-36.00	🟩	476160.00	7.4
-36.00	-35.00	🟨	596096.00	9.2
-35.00	-34.00	🟧	749728.00	11.6
-34.00	-33.00	🟧	902368.00	13.9
-33.00	-32.00	🟥	524384.00	8.1
-32.00	-31.00	🟥	439168.00	6.8
-31.00	-30.00	🟥	343648.00	5.3

ANCHORAGE INTERIM 7, 23 JUNE 04

Color Charts

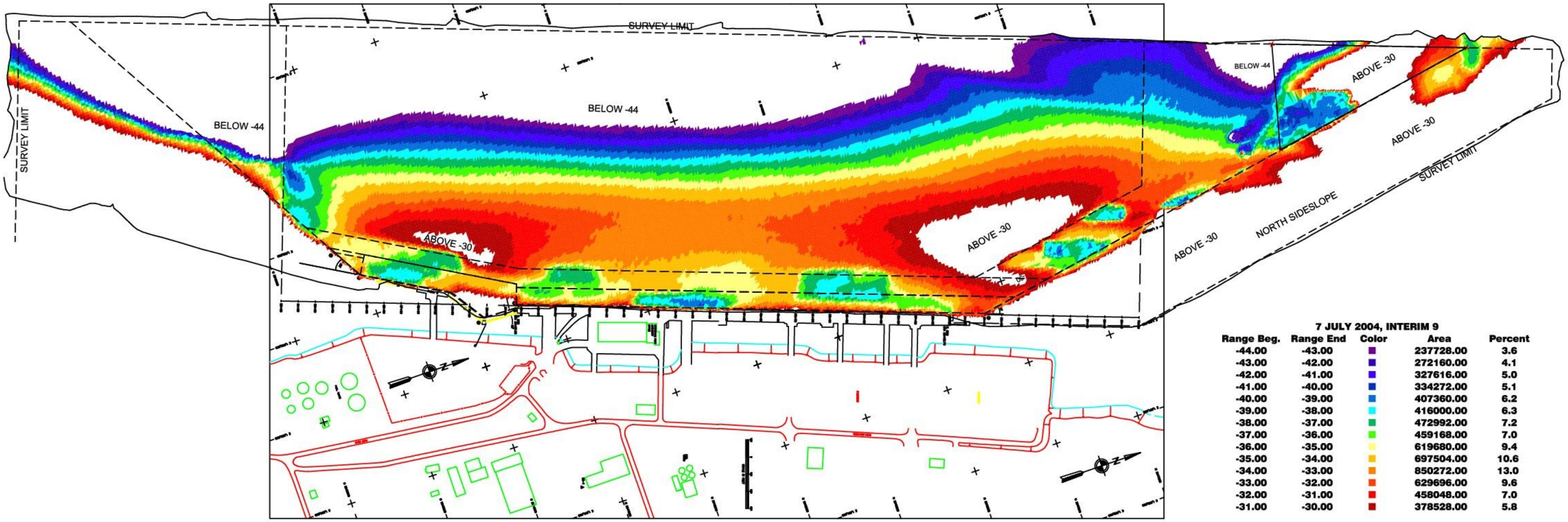

SURVEY LIMIT
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
BELOW -44
ABOVE -30
ABOVE -30
SURVEY LIMIT
NORTH SIDESLOPE
ABOVE -30
SURVEY LIMIT

30 JUNE 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	274688.00	4.2
-43.00	-42.00	🟪	334784.00	5.1
-42.00	-41.00	🟪	359968.00	5.5
-41.00	-40.00	🟦	319456.00	4.9
-40.00	-39.00	🟦	341856.00	5.3
-39.00	-38.00	🟦	377504.00	5.8
-38.00	-37.00	🟩	447680.00	6.9
-37.00	-36.00	🟩	466688.00	7.2
-36.00	-35.00	🟨	609952.00	9.4
-35.00	-34.00	🟧	672832.00	10.3
-34.00	-33.00	🟧	941376.00	14.5
-33.00	-32.00	🟥	590080.00	9.1
-32.00	-31.00	🟥	449888.00	6.9
-31.00	-30.00	🟥	323616.00	5.0

ANCHORAGE INTERIM 8, 30 JUNE 2004

Color Charts

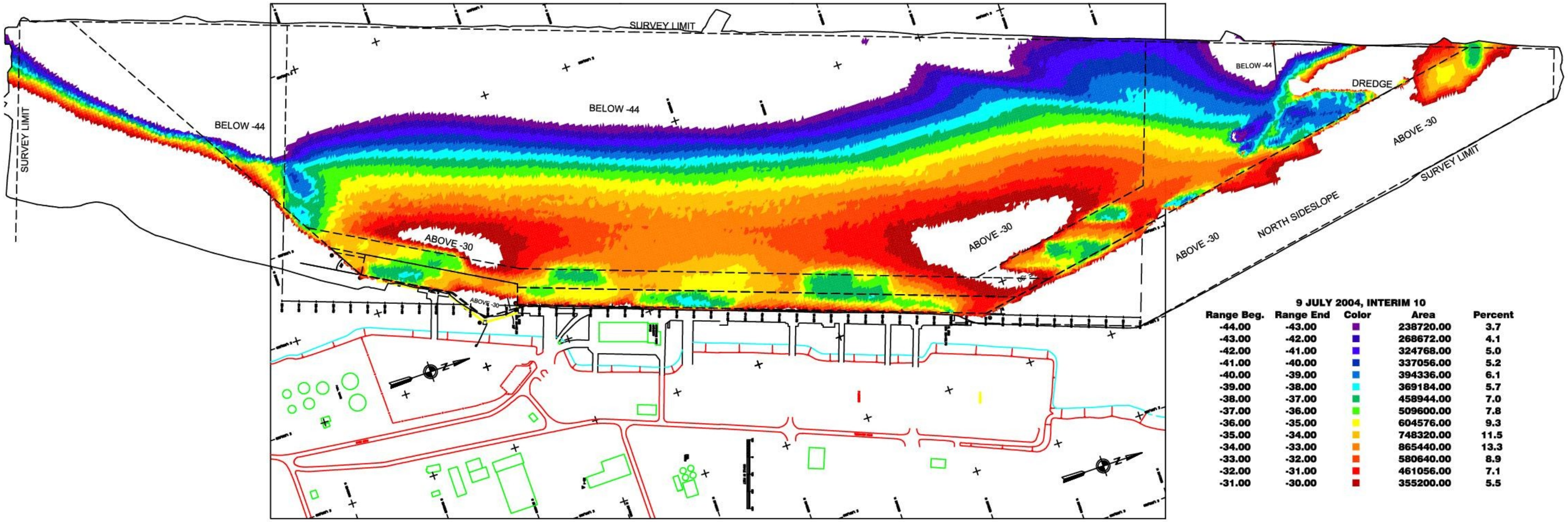

SURVEY LIMIT
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SURVEY LIMIT

7 JULY 2004, INTERIM 9

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	237728.00	3.6
-43.00	-42.00	🟪	272160.00	4.1
-42.00	-41.00	🟦	327616.00	5.0
-41.00	-40.00	🟦	334272.00	5.1
-40.00	-39.00	🟦	407360.00	6.2
-39.00	-38.00	🟦	416000.00	6.3
-38.00	-37.00	🟩	472992.00	7.2
-37.00	-36.00	🟩	459168.00	7.0
-36.00	-35.00	🟨	619680.00	9.4
-35.00	-34.00	🟨	697504.00	10.6
-34.00	-33.00	🟧	850272.00	13.0
-33.00	-32.00	🟧	629696.00	9.6
-32.00	-31.00	🟥	458048.00	7.0
-31.00	-30.00	🟥	378528.00	5.8

ANCHORAGE INTERIM 9, 7 JULY 2004

Color Charts

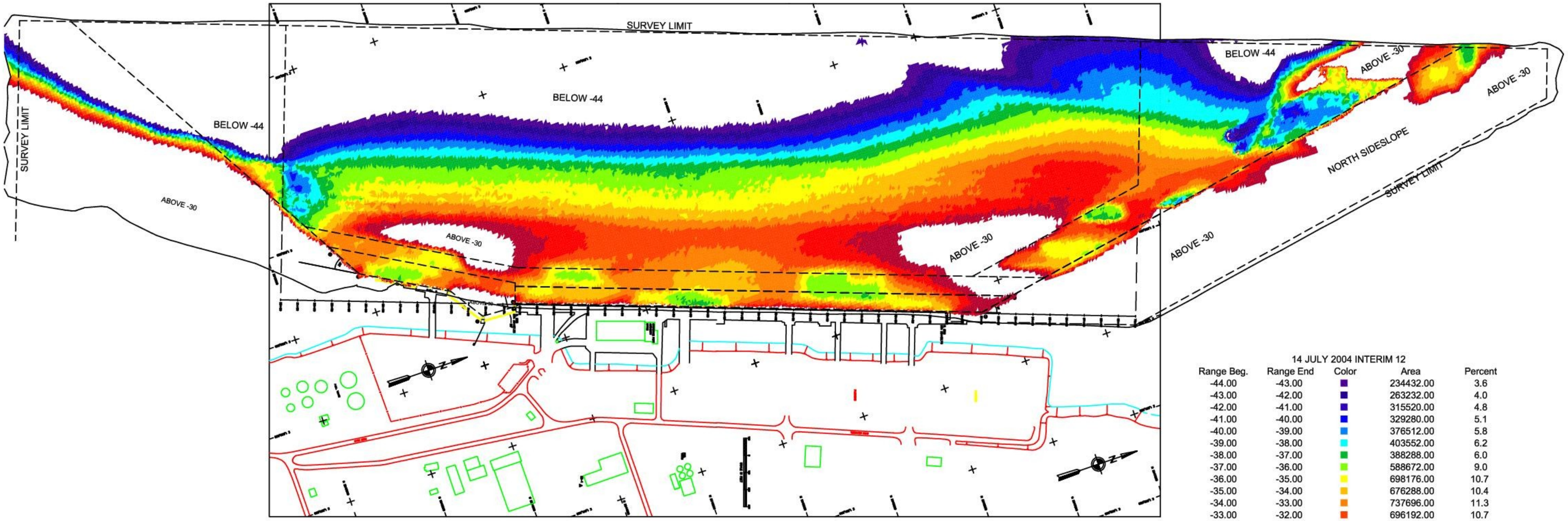

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
DREDGE
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

9 JULY 2004, INTERIM 10

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	238720.00	3.7
-43.00	-42.00	🟪	268672.00	4.1
-42.00	-41.00	🟦	324768.00	5.0
-41.00	-40.00	🟦	337056.00	5.2
-40.00	-39.00	🟦	394336.00	6.1
-39.00	-38.00	🟦	369184.00	5.7
-38.00	-37.00	🟩	458944.00	7.0
-37.00	-36.00	🟩	509600.00	7.8
-36.00	-35.00	🟨	604576.00	9.3
-35.00	-34.00	🟧	748320.00	11.5
-34.00	-33.00	🟧	865440.00	13.3
-33.00	-32.00	🟥	580640.00	8.9
-32.00	-31.00	🟥	461056.00	7.1
-31.00	-30.00	🟥	355200.00	5.5

ANCHORAGE INTERIM 10, 9 JULY 2004

Color Charts

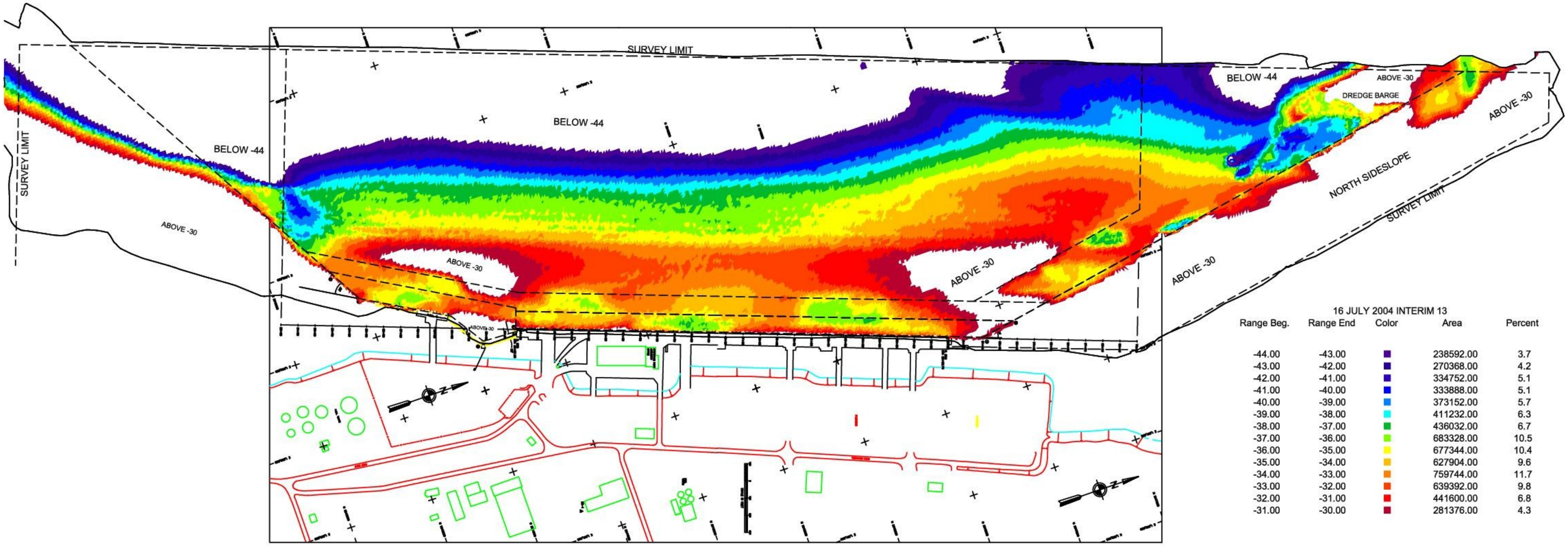

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

14 JULY 2004 INTERIM 12

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	234432.00	3.6
-43.00	-42.00	🟪	263232.00	4.0
-42.00	-41.00	🟪	315520.00	4.8
-41.00	-40.00	🟦	329280.00	5.1
-40.00	-39.00	🟦	376512.00	5.8
-39.00	-38.00	🟦	403552.00	6.2
-38.00	-37.00	🟩	388288.00	6.0
-37.00	-36.00	🟩	588672.00	9.0
-36.00	-35.00	🟨	698176.00	10.7
-35.00	-34.00	🟨	676288.00	10.4
-34.00	-33.00	🟧	737696.00	11.3
-33.00	-32.00	🟧	696192.00	10.7
-32.00	-31.00	🟥	487904.00	7.5
-31.00	-30.00	🟥	321280.00	4.9

ANCHORAGE INTERIM 12, 14 JULY 04

Color Charts

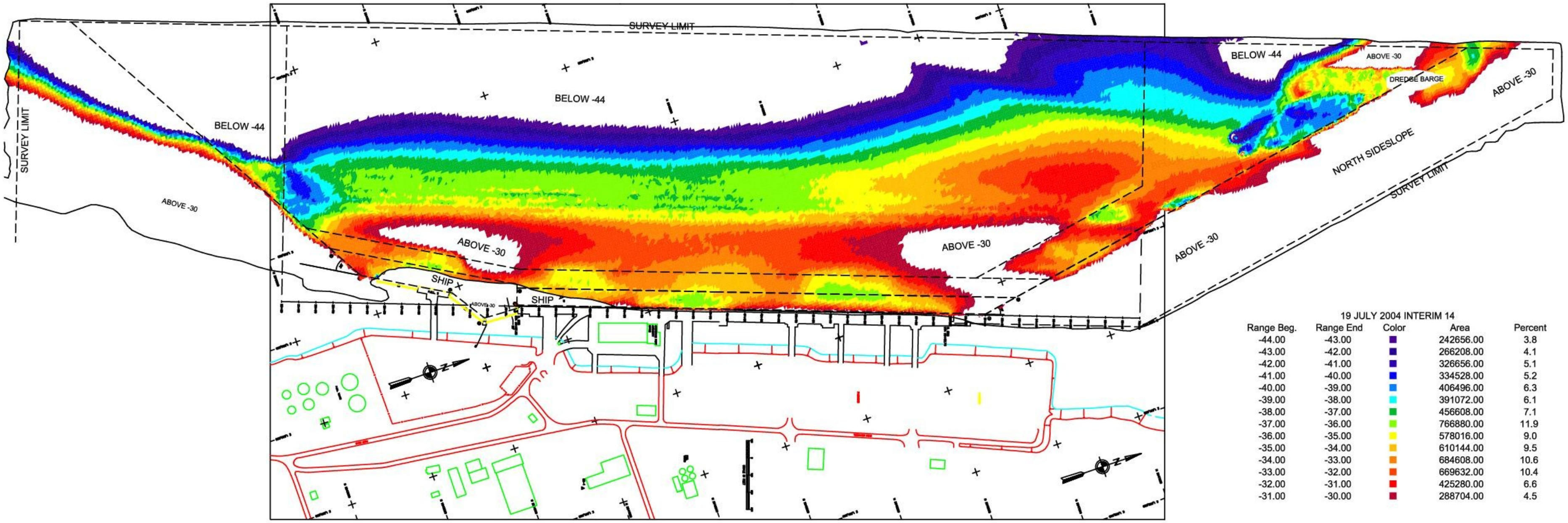

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
DREDGE BARGE
NORTH SIDESLOPE
SURVEY LIMIT

16 JULY 2004 INTERIM 13

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	238592.00	3.7
-43.00	-42.00	🟪	270368.00	4.2
-42.00	-41.00	🟪	334752.00	5.1
-41.00	-40.00	🟦	333888.00	5.1
-40.00	-39.00	🟦	373152.00	5.7
-39.00	-38.00	🟦	411232.00	6.3
-38.00	-37.00	🟩	436032.00	6.7
-37.00	-36.00	🟩	683328.00	10.5
-36.00	-35.00	🟨	677344.00	10.4
-35.00	-34.00	🟧	627904.00	9.6
-34.00	-33.00	🟧	759744.00	11.7
-33.00	-32.00	🟧	639392.00	9.8
-32.00	-31.00	🟥	441600.00	6.8
-31.00	-30.00	🟥	281376.00	4.3

ANCHORAGE INTERIM 13, 16 JULY 04

Color Charts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SURVEY LIMIT
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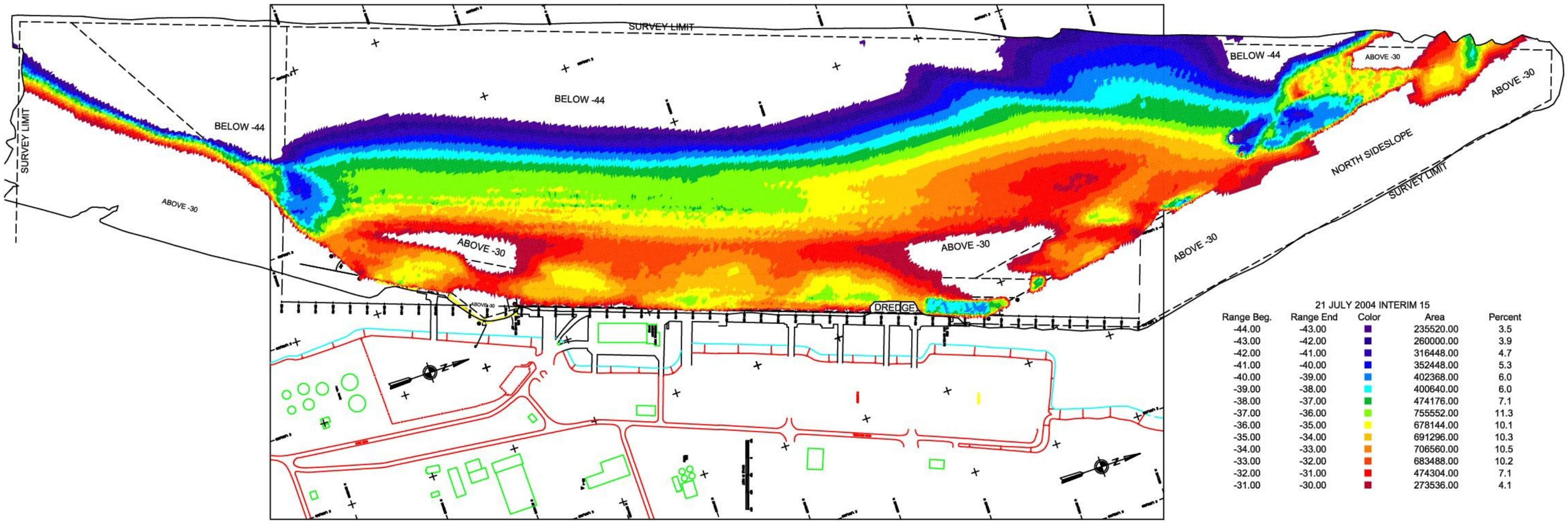
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
DREDGE BARGE
NORTH SIDESLOPE
SURVEY LIMIT
SHIP
SHIP

19 JULY 2004 INTERIM 14

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	242656.00	3.8
-43.00	-42.00	🟪	266208.00	4.1
-42.00	-41.00	🟪	326656.00	5.1
-41.00	-40.00	🟦	334528.00	5.2
-40.00	-39.00	🟦	406496.00	6.3
-39.00	-38.00	🟦	391072.00	6.1
-38.00	-37.00	🟩	456608.00	7.1
-37.00	-36.00	🟩	766880.00	11.9
-36.00	-35.00	🟨	578016.00	9.0
-35.00	-34.00	🟧	610144.00	9.5
-34.00	-33.00	🟧	684608.00	10.6
-33.00	-32.00	🟧	669632.00	10.4
-32.00	-31.00	🟥	425280.00	6.6
-31.00	-30.00	🟥	288704.00	4.5

ANCHORAGE INTERIM 14, 19 JULY 04

Color Charts

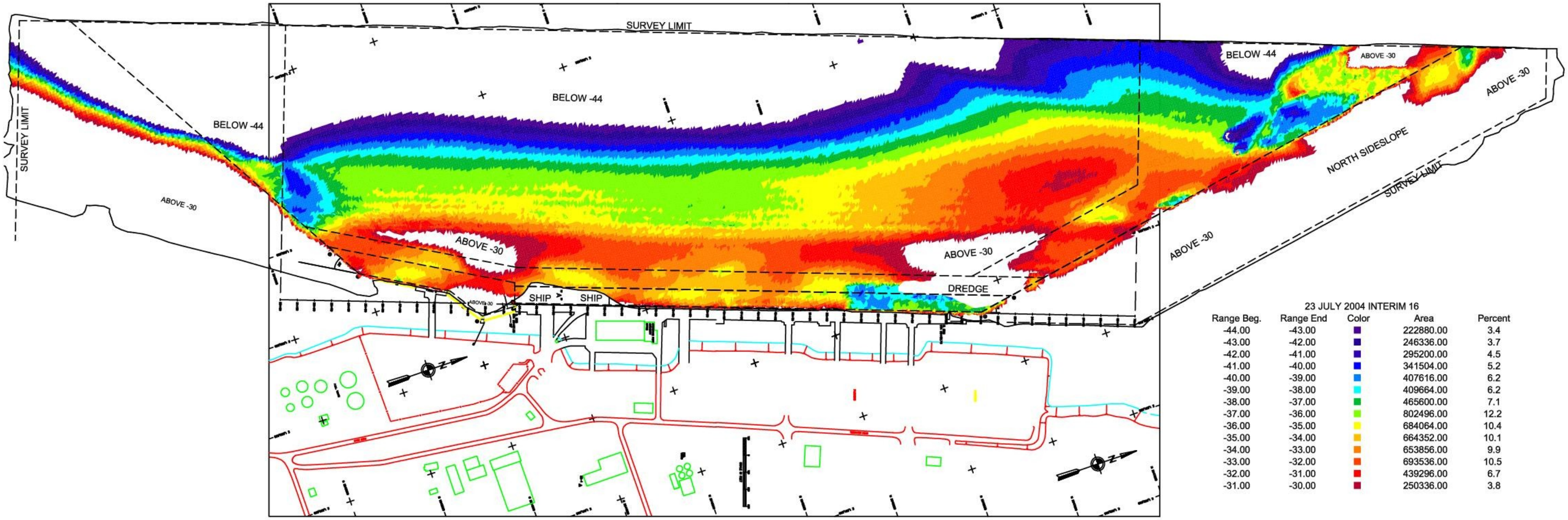

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE

21 JULY 2004 INTERIM 15

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	235520.00	3.5
-43.00	-42.00	🟪	260000.00	3.9
-42.00	-41.00	🟪	316448.00	4.7
-41.00	-40.00	🟦	352448.00	5.3
-40.00	-39.00	🟦	402368.00	6.0
-39.00	-38.00	🟦	400640.00	6.0
-38.00	-37.00	🟩	474176.00	7.1
-37.00	-36.00	🟩	755552.00	11.3
-36.00	-35.00	🟨	678144.00	10.1
-35.00	-34.00	🟨	691296.00	10.3
-34.00	-33.00	🟧	706560.00	10.5
-33.00	-32.00	🟧	683488.00	10.2
-32.00	-31.00	🟥	474304.00	7.1
-31.00	-30.00	🟥	273536.00	4.1

ANCHORAGE INTERIM 15, 21 JULY 04

Color Charts

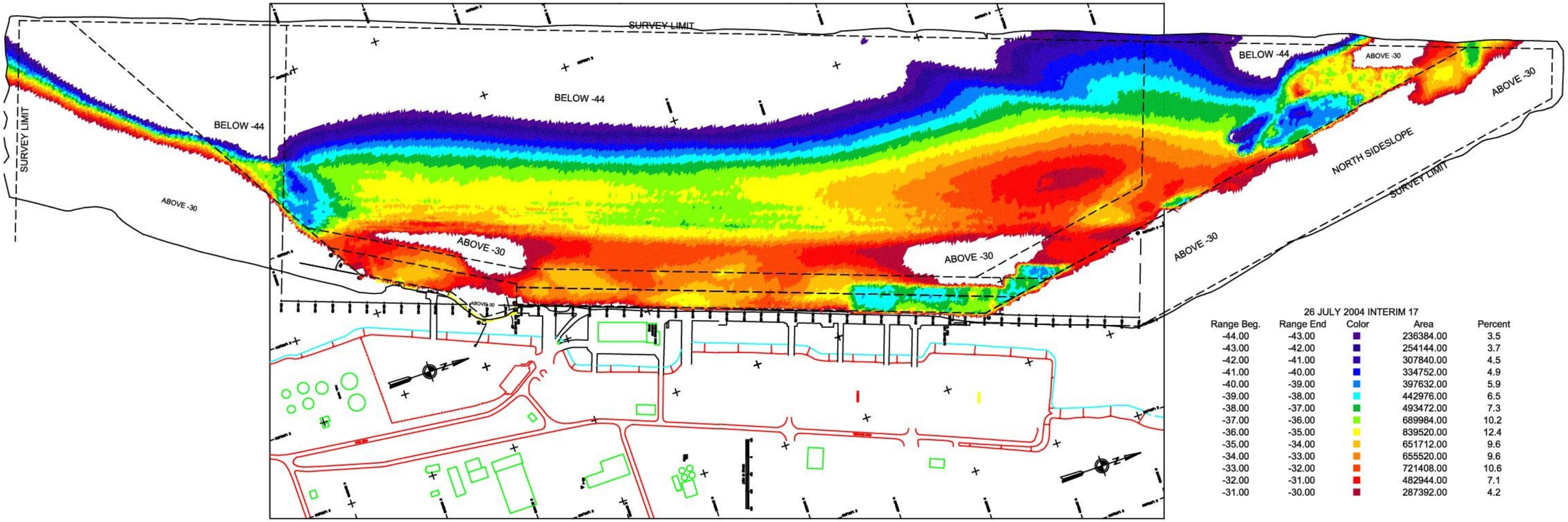

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
SURVEY LIMIT
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
ABOVE -30
ABOVE -30
DREDGE
SHIP
SHIP

23 JULY 2004 INTERIM 16

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	222880.00	3.4
-43.00	-42.00	🟪	246336.00	3.7
-42.00	-41.00	🟪	295200.00	4.5
-41.00	-40.00	🟦	341504.00	5.2
-40.00	-39.00	🟦	407616.00	6.2
-39.00	-38.00	🟦	409664.00	6.2
-38.00	-37.00	🟩	465600.00	7.1
-37.00	-36.00	🟩	802496.00	12.2
-36.00	-35.00	🟨	684064.00	10.4
-35.00	-34.00	🟧	664352.00	10.1
-34.00	-33.00	🟧	653856.00	9.9
-33.00	-32.00	🟧	693536.00	10.5
-32.00	-31.00	🟥	439296.00	6.7
-31.00	-30.00	🟥	250336.00	3.8

ANCHORAGE INTERIM 16, 23 JULY 04

Color Charts

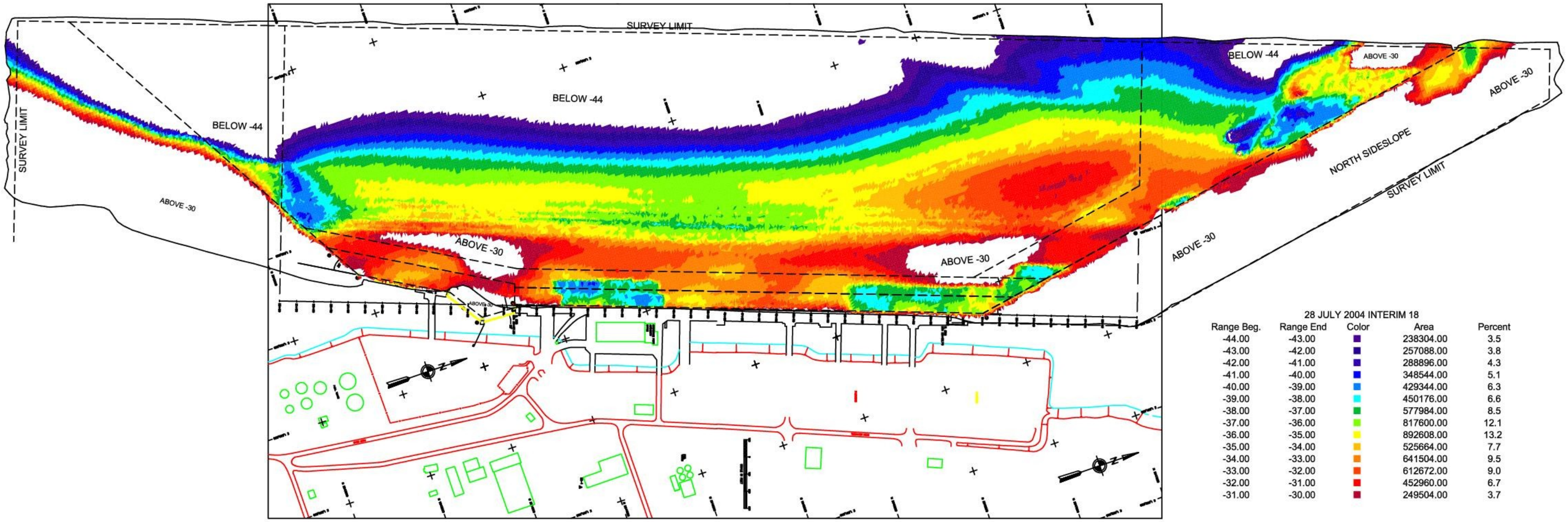

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

26 JULY 2004 INTERIM 17

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	236384.00	3.5
-43.00	-42.00	🟪	254144.00	3.7
-42.00	-41.00	🟪	307840.00	4.5
-41.00	-40.00	🟦	334752.00	4.9
-40.00	-39.00	🟦	397632.00	5.9
-39.00	-38.00	🟦	442976.00	6.5
-38.00	-37.00	🟩	493472.00	7.3
-37.00	-36.00	🟩	689984.00	10.2
-36.00	-35.00	🟨	839520.00	12.4
-35.00	-34.00	🟧	651712.00	9.6
-34.00	-33.00	🟧	655520.00	9.6
-33.00	-32.00	🟧	721408.00	10.6
-32.00	-31.00	🟥	482944.00	7.1
-31.00	-30.00	🟥	287392.00	4.2

ANCHORAGE INTERIM 17, 26 JULY 04

Color Charts


SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

28 JULY 2004 INTERIM 18

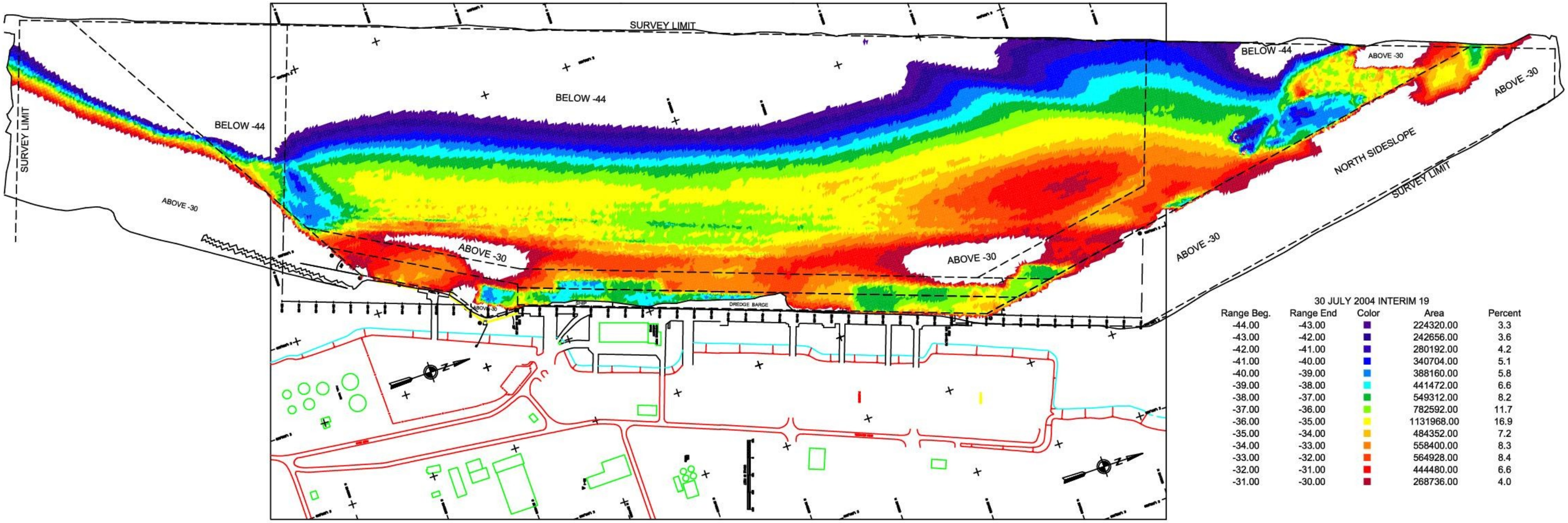
Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	238304.00	3.5
-43.00	-42.00	🟪	257088.00	3.8
-42.00	-41.00	🟪	288896.00	4.3
-41.00	-40.00	🟦	348544.00	5.1
-40.00	-39.00	🟦	429344.00	6.3
-39.00	-38.00	🟦	450176.00	6.6
-38.00	-37.00	🟩	577984.00	8.5
-37.00	-36.00	🟩	817600.00	12.1
-36.00	-35.00	🟨	892608.00	13.2
-35.00	-34.00	🟧	525664.00	7.7
-34.00	-33.00	🟧	641504.00	9.5
-33.00	-32.00	🟧	612672.00	9.0
-32.00	-31.00	🟥	452960.00	6.7
-31.00	-30.00	🟥	249504.00	3.7

ANCHORAGE INTERIM 18, 28 JULY 04

US Army Corps of Engineers
Alaska District

Color Charts

AK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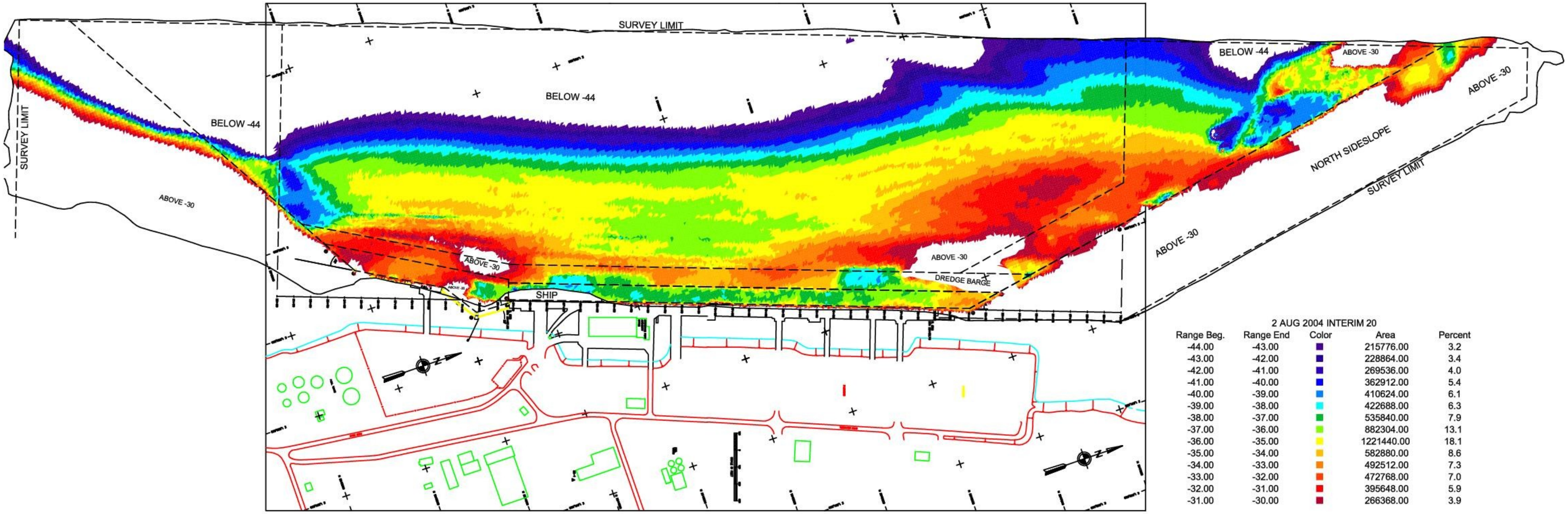
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SHIP
DREDGE BARGE

30 JULY 2004 INTERIM 19

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	224320.00	3.3
-43.00	-42.00	🟪	242656.00	3.6
-42.00	-41.00	🟪	280192.00	4.2
-41.00	-40.00	🟦	340704.00	5.1
-40.00	-39.00	🟦	388160.00	5.8
-39.00	-38.00	🟦	441472.00	6.6
-38.00	-37.00	🟩	549312.00	8.2
-37.00	-36.00	🟩	782592.00	11.7
-36.00	-35.00	🟨	1131968.00	16.9
-35.00	-34.00	🟧	484352.00	7.2
-34.00	-33.00	🟧	558400.00	8.3
-33.00	-32.00	🟥	564928.00	8.4
-32.00	-31.00	🟥	444480.00	6.6
-31.00	-30.00	🟥	268736.00	4.0

ANCHORAGE INTERIM 19, 30 JULY 04

Color Charts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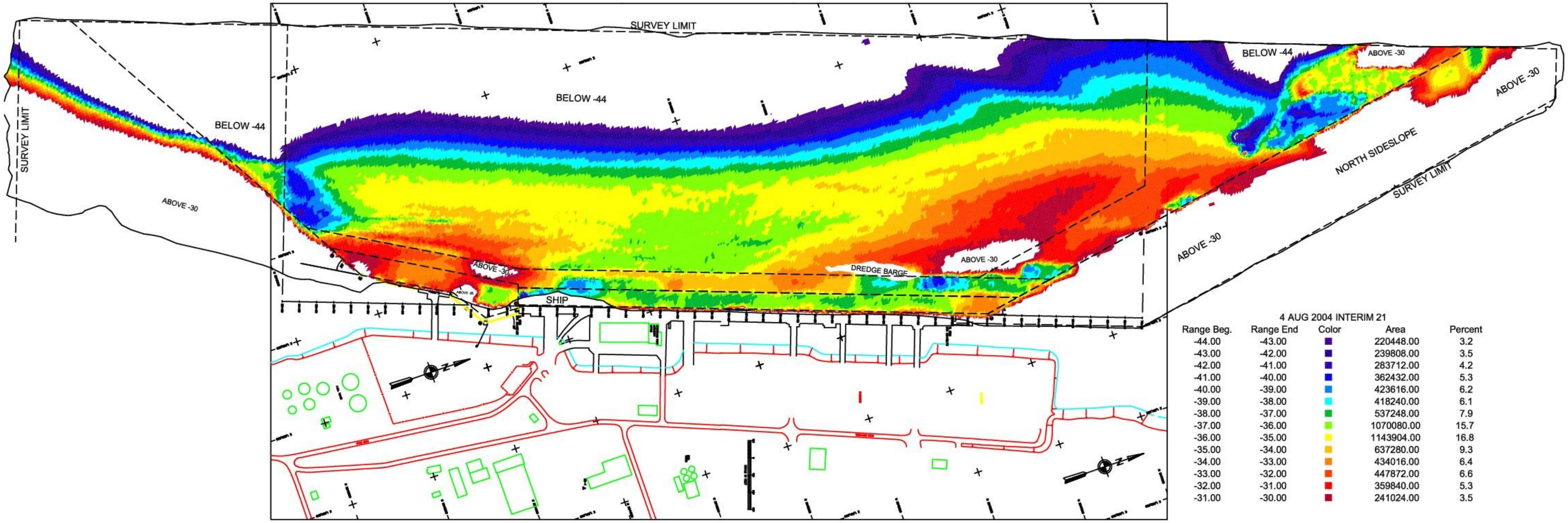
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE BARGE
SHIP

2 AUG 2004 INTERIM 20

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	215776.00	3.2
-43.00	-42.00	🟪	228864.00	3.4
-42.00	-41.00	🟪	269536.00	4.0
-41.00	-40.00	🟦	362912.00	5.4
-40.00	-39.00	🟦	410624.00	6.1
-39.00	-38.00	🟦	422688.00	6.3
-38.00	-37.00	🟩	535840.00	7.9
-37.00	-36.00	🟩	882304.00	13.1
-36.00	-35.00	🟨	1221440.00	18.1
-35.00	-34.00	🟧	582880.00	8.6
-34.00	-33.00	🟧	492512.00	7.3
-33.00	-32.00	🟥	472768.00	7.0
-32.00	-31.00	🟥	395648.00	5.9
-31.00	-30.00	🟥	266368.00	3.9

ANCHORAGE INTERIM 20, 2 AUG 04

Color Charts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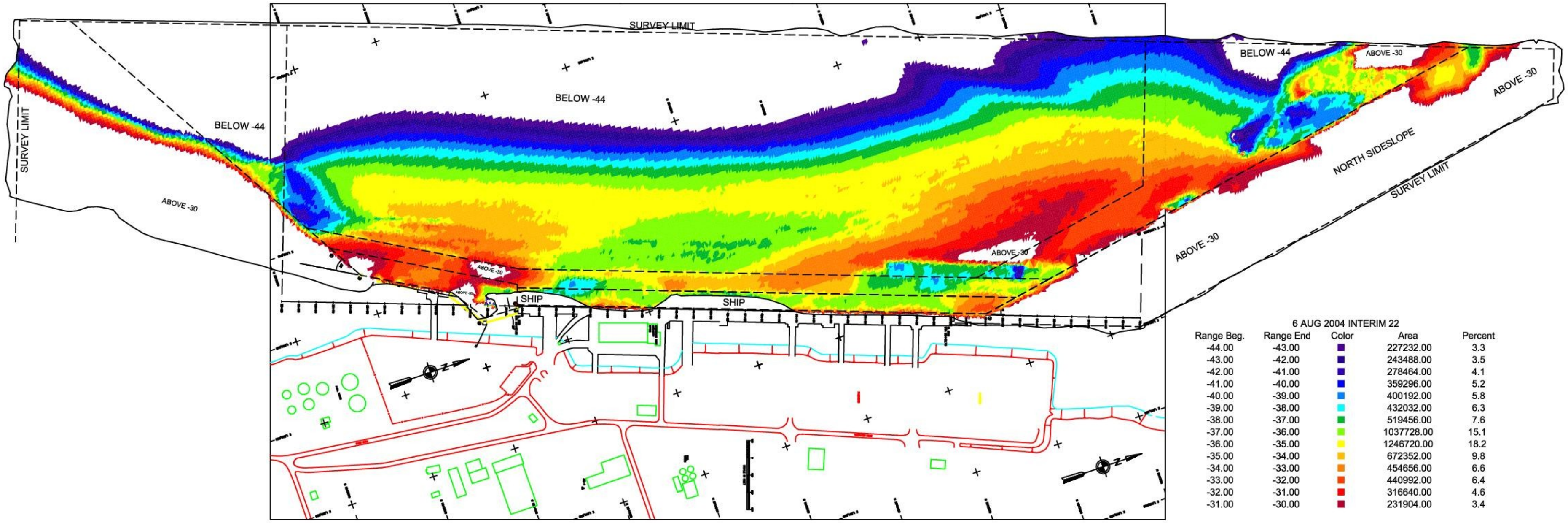
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE BARGE
SHIP

4 AUG 2004 INTERIM 21

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	220448.00	3.2
-43.00	-42.00	🟪	239808.00	3.5
-42.00	-41.00	🟪	283712.00	4.2
-41.00	-40.00	🟦	362432.00	5.3
-40.00	-39.00	🟦	423616.00	6.2
-39.00	-38.00	🟦	418240.00	6.1
-38.00	-37.00	🟩	537248.00	7.9
-37.00	-36.00	🟩	1070080.00	15.7
-36.00	-35.00	🟨	1143904.00	16.8
-35.00	-34.00	🟧	637280.00	9.3
-34.00	-33.00	🟧	434016.00	6.4
-33.00	-32.00	🟧	447872.00	6.6
-32.00	-31.00	🟥	359840.00	5.3
-31.00	-30.00	🟥	241024.00	3.5

ANCHORAGE INTERIM 21, 4 AUG 04

Color Charts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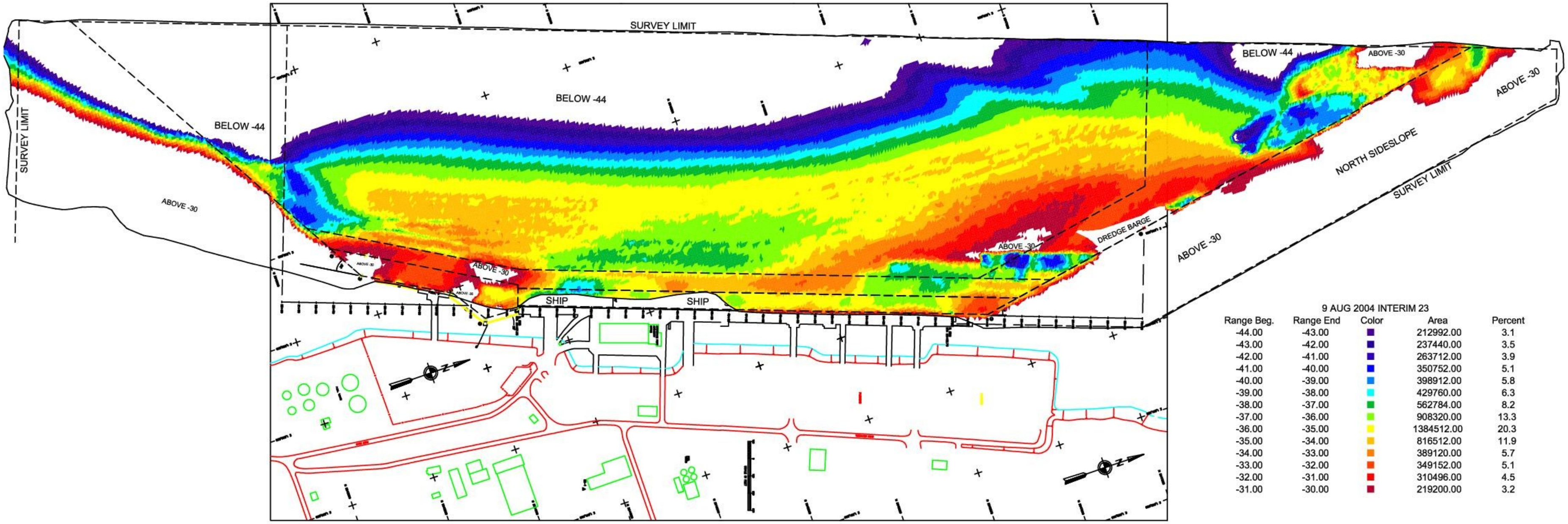
SURVEY LIMIT
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
ABOVE -30
SHIP
SHIP

6 AUG 2004 INTERIM 22

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	227232.00	3.3
-43.00	-42.00	🟪	243488.00	3.5
-42.00	-41.00	🟪	278464.00	4.1
-41.00	-40.00	🟦	359296.00	5.2
-40.00	-39.00	🟦	400192.00	5.8
-39.00	-38.00	🟦	432032.00	6.3
-38.00	-37.00	🟩	519456.00	7.6
-37.00	-36.00	🟩	1037728.00	15.1
-36.00	-35.00	🟨	1246720.00	18.2
-35.00	-34.00	🟧	672352.00	9.8
-34.00	-33.00	🟧	454656.00	6.6
-33.00	-32.00	🟧	440992.00	6.4
-32.00	-31.00	🟥	316640.00	4.6
-31.00	-30.00	🟥	231904.00	3.4

ANCHORAGE INTERIM 22, 6 AUG 04

Color Charts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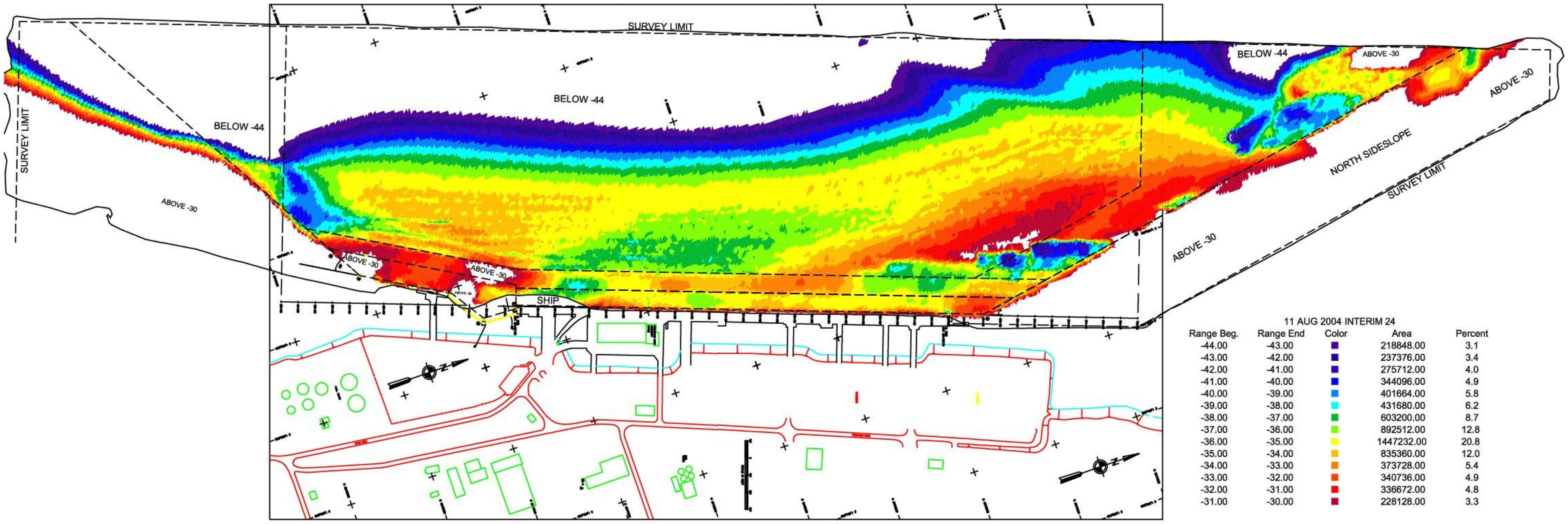
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE BARGE
SHIP
SHIP

9 AUG 2004 INTERIM 23

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	212992.00	3.1
-43.00	-42.00	🟪	237440.00	3.5
-42.00	-41.00	🟪	263712.00	3.9
-41.00	-40.00	🟦	350752.00	5.1
-40.00	-39.00	🟦	398912.00	5.8
-39.00	-38.00	🟦	429760.00	6.3
-38.00	-37.00	🟩	562784.00	8.2
-37.00	-36.00	🟩	908320.00	13.3
-36.00	-35.00	🟨	1384512.00	20.3
-35.00	-34.00	🟧	816512.00	11.9
-34.00	-33.00	🟧	389120.00	5.7
-33.00	-32.00	🟥	349152.00	5.1
-32.00	-31.00	🟥	310496.00	4.5
-31.00	-30.00	🟥	219200.00	3.2

ANCHORAGE INTERIM 23, 9 AUG 04

Color Charts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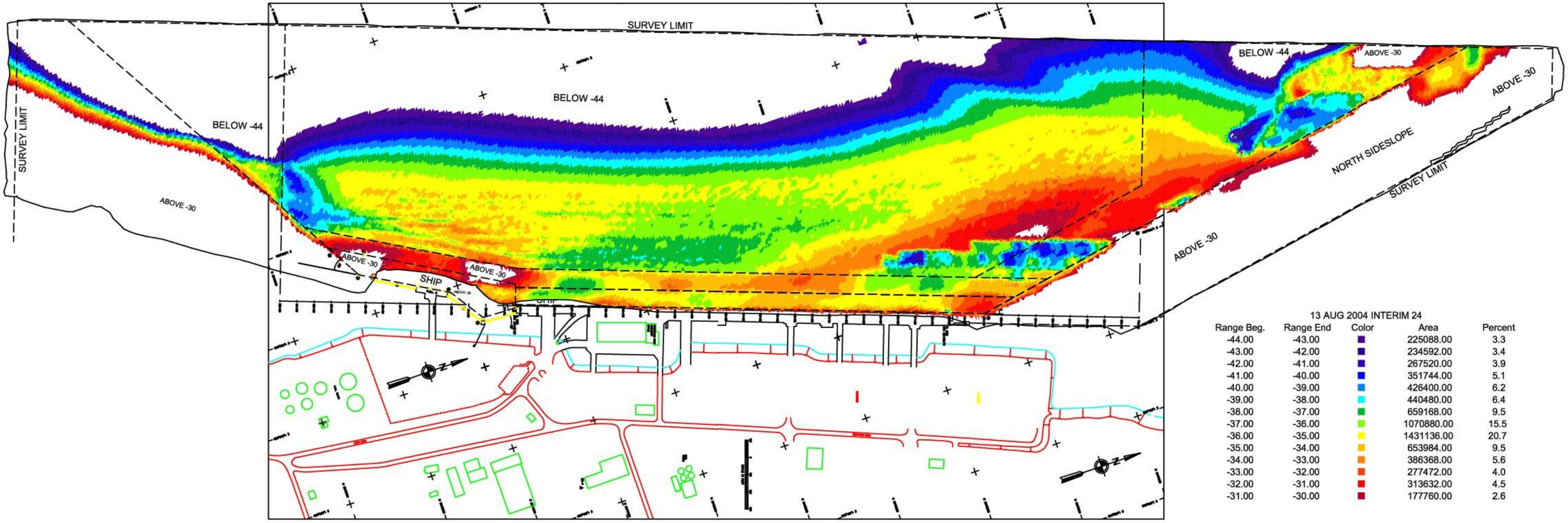
ABOVE -30
SURVEY LIMIT
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

11 AUG 2004 INTERIM 24

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	218848.00	3.1
-43.00	-42.00	🟪	237376.00	3.4
-42.00	-41.00	🟪	275712.00	4.0
-41.00	-40.00	🟦	344096.00	4.9
-40.00	-39.00	🟦	401664.00	5.8
-39.00	-38.00	🟦	431680.00	6.2
-38.00	-37.00	🟩	603200.00	8.7
-37.00	-36.00	🟩	892512.00	12.8
-36.00	-35.00	🟨	1447232.00	20.8
-35.00	-34.00	🟧	835360.00	12.0
-34.00	-33.00	🟧	373728.00	5.4
-33.00	-32.00	🟧	340736.00	4.9
-32.00	-31.00	🟥	336672.00	4.8
-31.00	-30.00	🟥	228128.00	3.3

ANCHORAGE INTERIM 24, 11 AUG 04

Color Charts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SURVEY LIMIT
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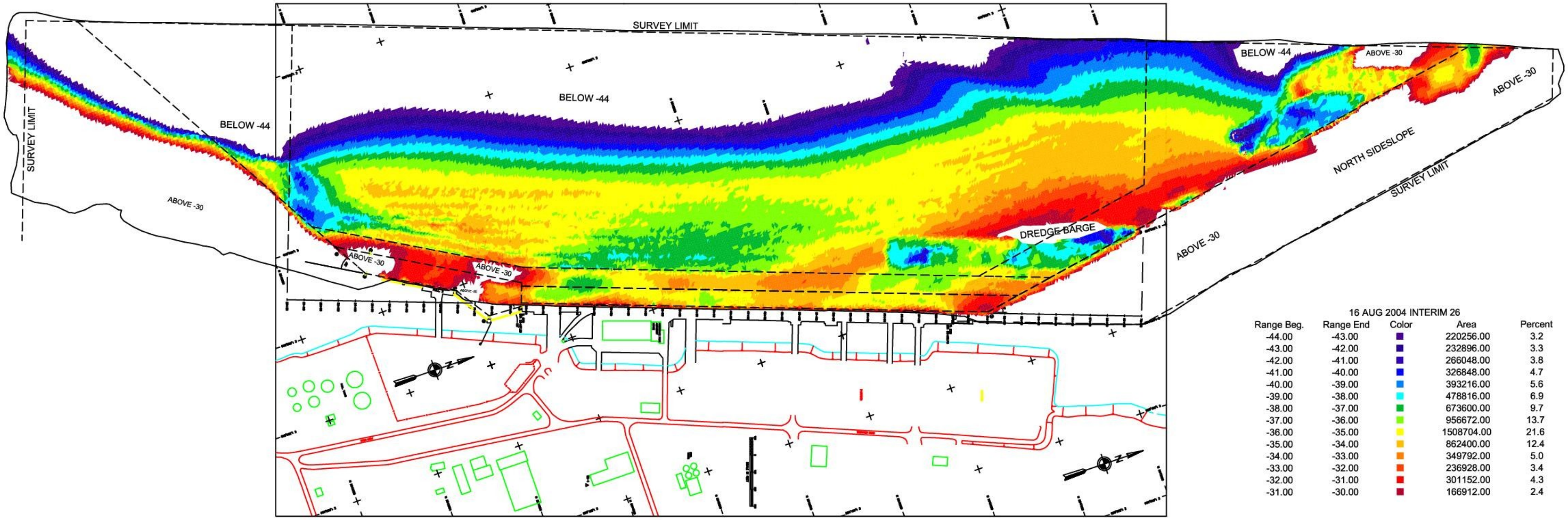
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
SHIP
NORTH SIDESLOPE
SURVEY LIMIT

13 AUG 2004 INTERIM 24

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	225088.00	3.3
-43.00	-42.00	🟦	234592.00	3.4
-42.00	-41.00	🟦	267520.00	3.9
-41.00	-40.00	🟦	351744.00	5.1
-40.00	-39.00	🟦	426400.00	6.2
-39.00	-38.00	🟦	440480.00	6.4
-38.00	-37.00	🟩	659168.00	9.5
-37.00	-36.00	🟩	1070880.00	15.5
-36.00	-35.00	🟨	1431136.00	20.7
-35.00	-34.00	🟧	653984.00	9.5
-34.00	-33.00	🟧	386368.00	5.6
-33.00	-32.00	🟧	277472.00	4.0
-32.00	-31.00	🟥	313632.00	4.5
-31.00	-30.00	🟥	177760.00	2.6

ANCHORAGE INTERIM 25, 13 AUG 04

Color Charts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SURVEY LIMIT
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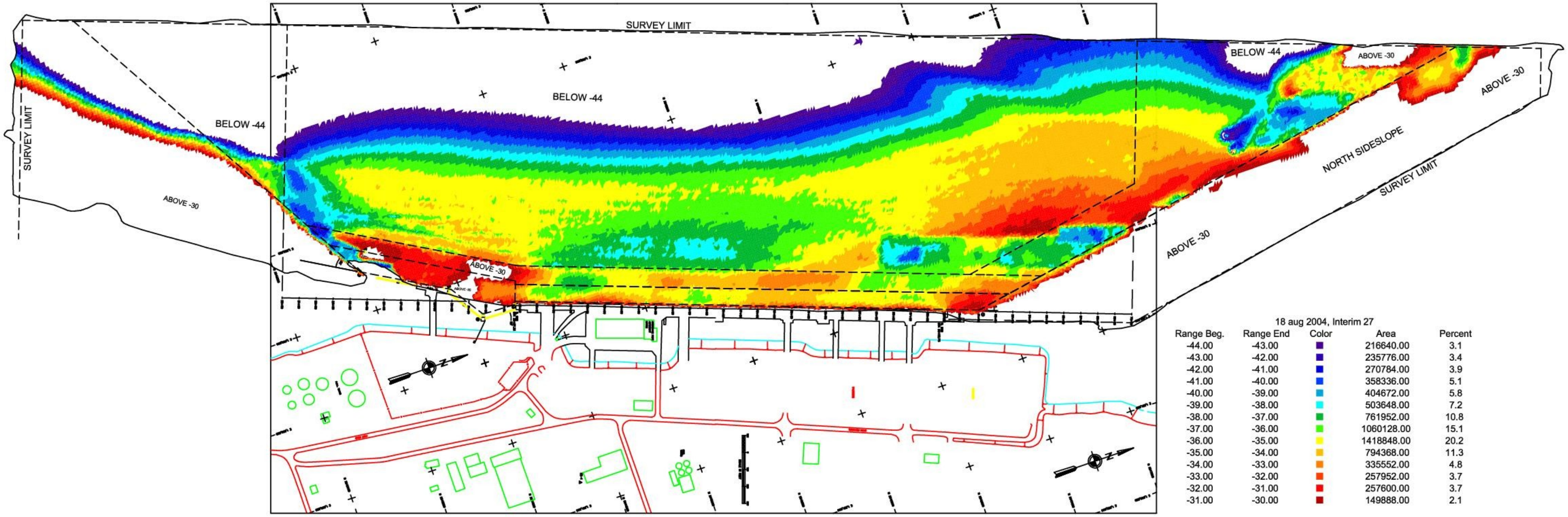
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE BARGE

16 AUG 2004 INTERIM 26

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	220256.00	3.2
-43.00	-42.00	🟪	232896.00	3.3
-42.00	-41.00	🟪	266048.00	3.8
-41.00	-40.00	🟦	326848.00	4.7
-40.00	-39.00	🟦	393216.00	5.6
-39.00	-38.00	🟦	478816.00	6.9
-38.00	-37.00	🟩	673600.00	9.7
-37.00	-36.00	🟩	956672.00	13.7
-36.00	-35.00	🟨	1508704.00	21.6
-35.00	-34.00	🟧	862400.00	12.4
-34.00	-33.00	🟧	349792.00	5.0
-33.00	-32.00	🟥	236928.00	3.4
-32.00	-31.00	🟥	301152.00	4.3
-31.00	-30.00	🟥	166912.00	2.4

ANCHORAGE INTERIM 26, 16 AUG 04

Color Charts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SURVEY LIMIT
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BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

18 aug 2004, Interim 27

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	216640.00	3.1
-43.00	-42.00	🟪	235776.00	3.4
-42.00	-41.00	🟦	270784.00	3.9
-41.00	-40.00	🟦	358336.00	5.1
-40.00	-39.00	🟦	404672.00	5.8
-39.00	-38.00	🟦	503648.00	7.2
-38.00	-37.00	🟩	761952.00	10.8
-37.00	-36.00	🟩	1060128.00	15.1
-36.00	-35.00	🟨	1418848.00	20.2
-35.00	-34.00	🟧	794368.00	11.3
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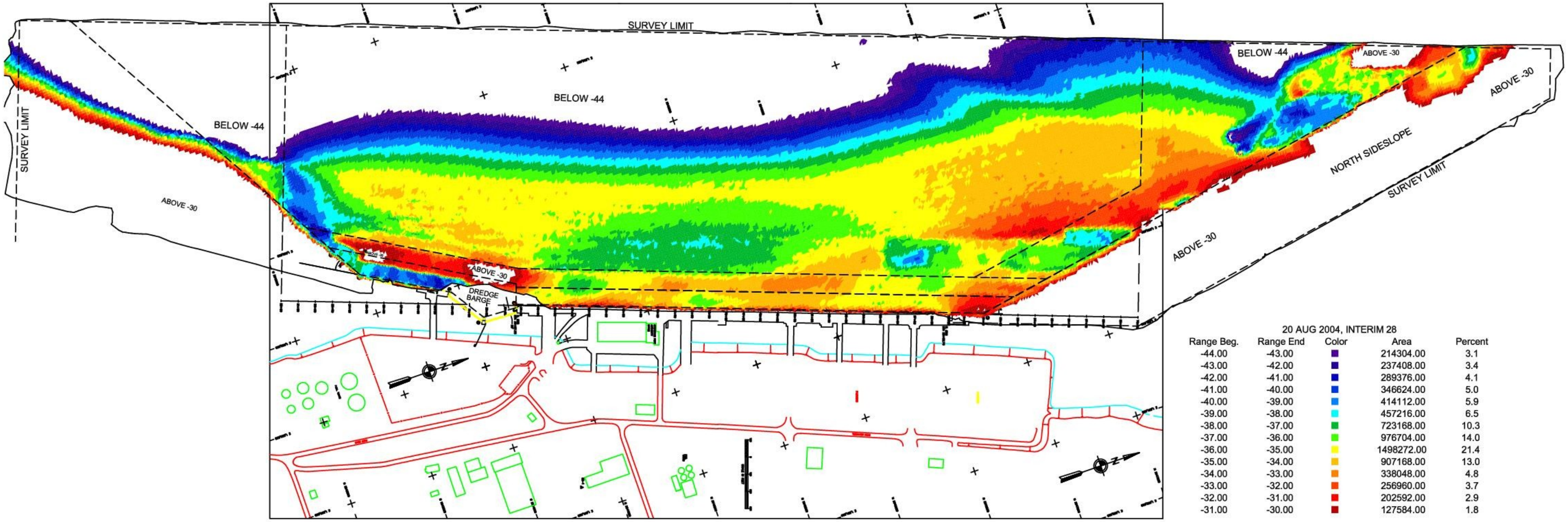
-32.00	-31.00	🟥	257600.00	3.7
-31.00	-30.00	🟥	149888.00	2.1

ANCHORAGE INTERIM 27, 18 AUG 04

Color Charts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SURVEY LIMIT
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BELOW -44
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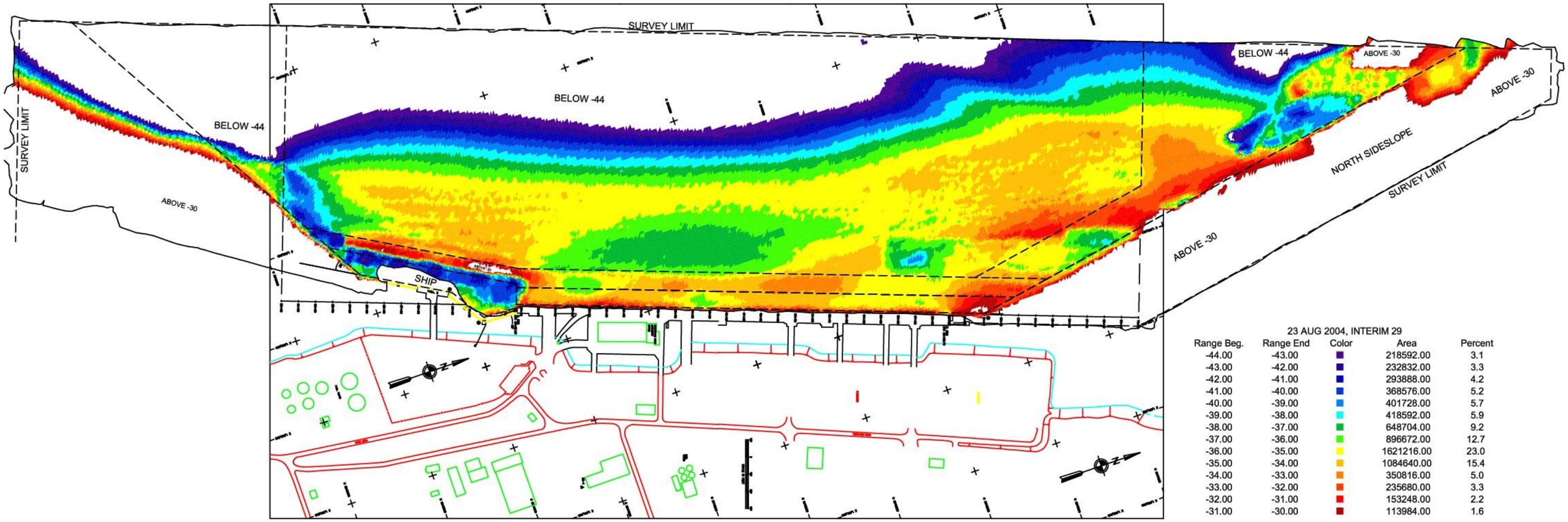
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE BARGE

20 AUG 2004, INTERIM 28

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	214304.00	3.1
-43.00	-42.00	🟪	237408.00	3.4
-42.00	-41.00	🟦	289376.00	4.1
-41.00	-40.00	🟦	346624.00	5.0
-40.00	-39.00	🟦	414112.00	5.9
-39.00	-38.00	🟦	457216.00	6.5
-38.00	-37.00	🟩	723168.00	10.3
-37.00	-36.00	🟩	976704.00	14.0
-36.00	-35.00	🟨	1498272.00	21.4
-35.00	-34.00	🟧	907168.00	13.0
-34.00	-33.00	🟧	338048.00	4.8
-33.00	-32.00	🟧	256960.00	3.7
-32.00	-31.00	🟥	202592.00	2.9
-31.00	-30.00	🟥	127584.00	1.8

ANCHORAGE INTERIM 28, 20 AUG 04

Color Charts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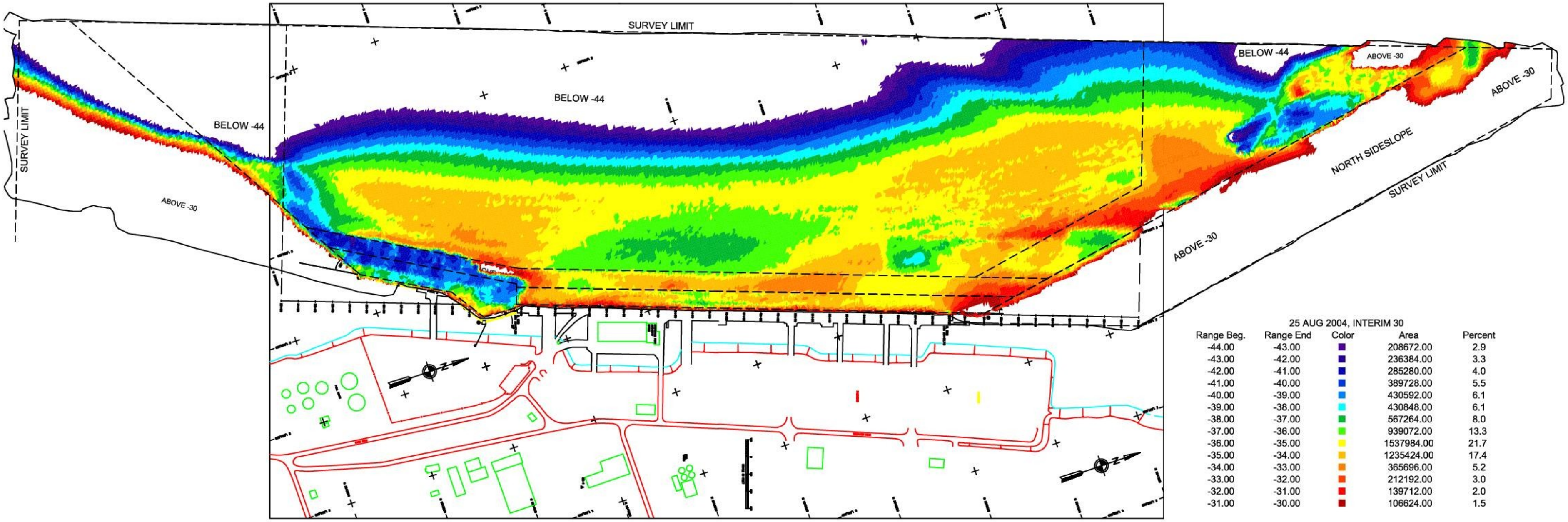
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

23 AUG 2004, INTERIM 29

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	218592.00	3.1
-43.00	-42.00	🟪	232832.00	3.3
-42.00	-41.00	🟦	293888.00	4.2
-41.00	-40.00	🟦	368576.00	5.2
-40.00	-39.00	🟦	401728.00	5.7
-39.00	-38.00	🟦	418592.00	5.9
-38.00	-37.00	🟩	648704.00	9.2
-37.00	-36.00	🟩	896672.00	12.7
-36.00	-35.00	🟨	1621216.00	23.0
-35.00	-34.00	🟧	1084640.00	15.4
-34.00	-33.00	🟧	350816.00	5.0
-33.00	-32.00	🟧	235680.00	3.3
-32.00	-31.00	🟥	153248.00	2.2
-31.00	-30.00	🟥	113984.00	1.6

ANCHORAGE INTERIM 29, 23 AUG 04

Color Charts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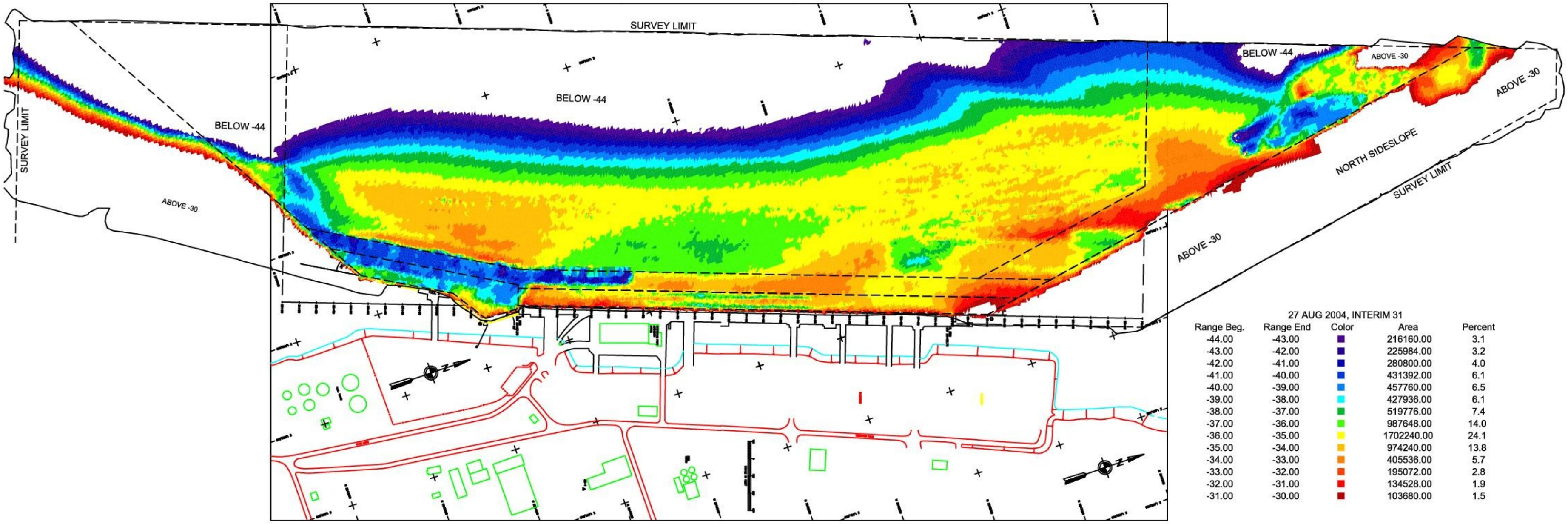
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

25 AUG 2004, INTERIM 30

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	208672.00	2.9
-43.00	-42.00	🟪	236384.00	3.3
-42.00	-41.00	🟦	285280.00	4.0
-41.00	-40.00	🟦	389728.00	5.5
-40.00	-39.00	🟦	430592.00	6.1
-39.00	-38.00	🟦	430848.00	6.1
-38.00	-37.00	🟩	567264.00	8.0
-37.00	-36.00	🟩	939072.00	13.3
-36.00	-35.00	🟨	1537984.00	21.7
-35.00	-34.00	🟧	1235424.00	17.4
-34.00	-33.00	🟧	365696.00	5.2
-33.00	-32.00	🟥	212192.00	3.0
-32.00	-31.00	🟥	139712.00	2.0
-31.00	-30.00	🟥	106624.00	1.5

ANCHORAGE INTERIM 30, 25 AUG 04

Color Charts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SURVEY LIMIT
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BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

27 AUG 2004, INTERIM 31

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	216160.00	3.1
-43.00	-42.00	🟪	225984.00	3.2
-42.00	-41.00	🟦	280800.00	4.0
-41.00	-40.00	🟦	431392.00	6.1
-40.00	-39.00	🟦	457760.00	6.5
-39.00	-38.00	🟦	427936.00	6.1
-38.00	-37.00	🟩	519776.00	7.4
-37.00	-36.00	🟩	987648.00	14.0
-36.00	-35.00	🟨	1702240.00	24.1
-35.00	-34.00	🟧	974240.00	13.8
-34.00	-33.00	🟧	405536.00	5.7
-33.00	-32.00	🟧	195072.00	2.8
-32.00	-31.00	🟥	134528.00	1.9
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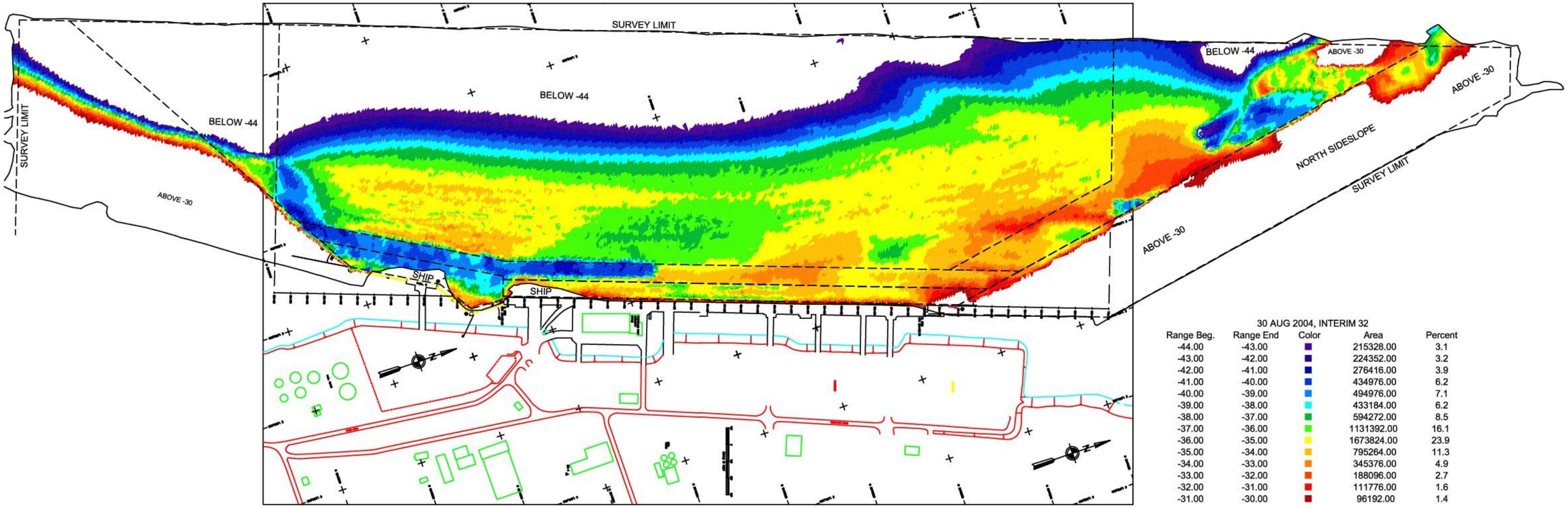
ANCHORAGE INTERIM 31, 27 AUG 04

Color Charts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SURVEY LIMIT
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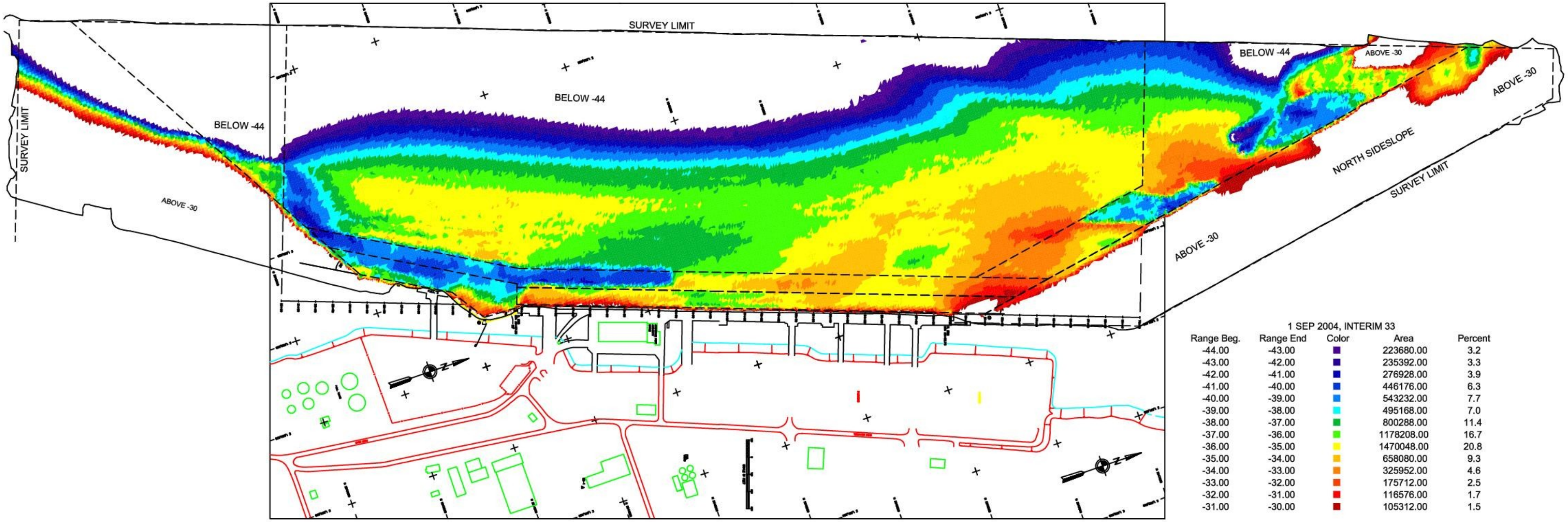
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SHIP
SHIP

30 AUG 2004, INTERIM 32

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	215328.00	3.1
-43.00	-42.00	🟪	224352.00	3.2
-42.00	-41.00	🟦	276416.00	3.9
-41.00	-40.00	🟦	434976.00	6.2
-40.00	-39.00	🟦	494976.00	7.1
-39.00	-38.00	🟦	433184.00	6.2
-38.00	-37.00	🟩	594272.00	8.5
-37.00	-36.00	🟩	1131392.00	16.1
-36.00	-35.00	🟨	1673824.00	23.9
-35.00	-34.00	🟨	795264.00	11.3
-34.00	-33.00	🟧	345376.00	4.9
-33.00	-32.00	🟧	188096.00	2.7
-32.00	-31.00	🟥	111776.00	1.6
-31.00	-30.00	🟥	96192.00	1.4

ANCHORAGE INTERIM 32, 30 AUG 04

Color Charts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BELOW -44
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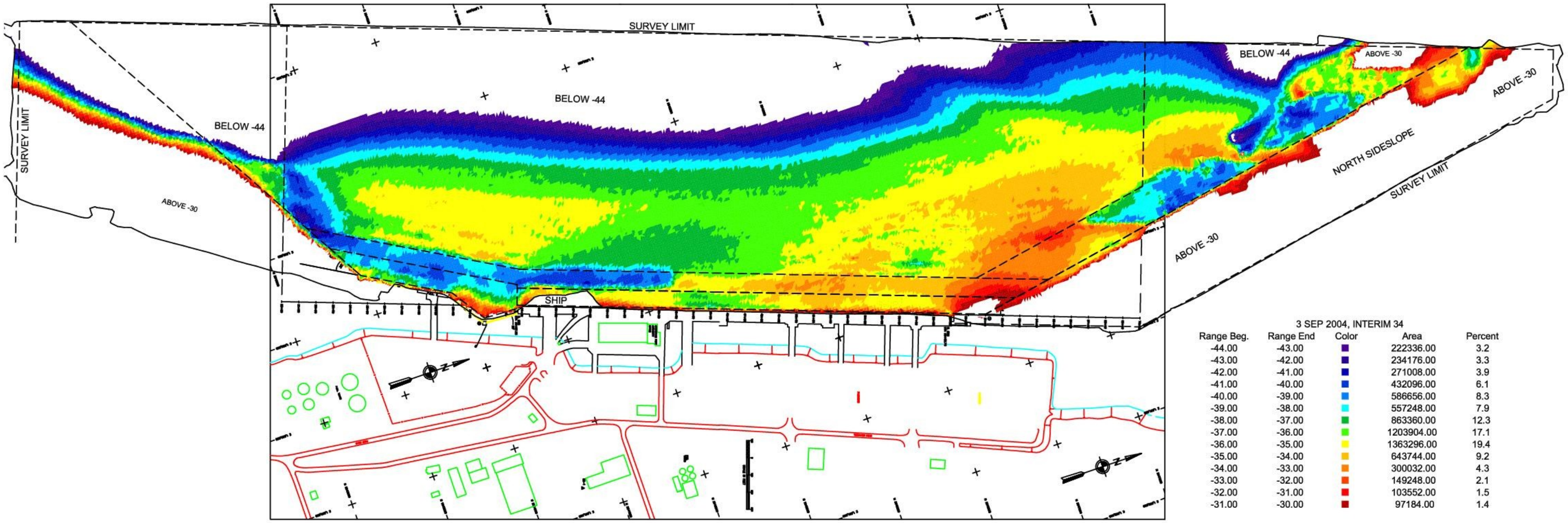
ABOVE -30
SURVEY LIMIT
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
ABOVE -30

1 SEP 2004, INTERIM 33

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	223680.00	3.2
-43.00	-42.00	🟪	235392.00	3.3
-42.00	-41.00	🟦	276928.00	3.9
-41.00	-40.00	🟦	446176.00	6.3
-40.00	-39.00	🟦	543232.00	7.7
-39.00	-38.00	🟦	495168.00	7.0
-38.00	-37.00	🟩	800288.00	11.4
-37.00	-36.00	🟩	1178208.00	16.7
-36.00	-35.00	🟨	1470048.00	20.8
-35.00	-34.00	🟧	658080.00	9.3
-34.00	-33.00	🟧	325952.00	4.6
-33.00	-32.00	🟧	175712.00	2.5
-32.00	-31.00	🟥	116576.00	1.7
-31.00	-30.00	🟥	105312.00	1.5

ANCHORAGE INTERIM 33, 1 SEP 04

Color Charts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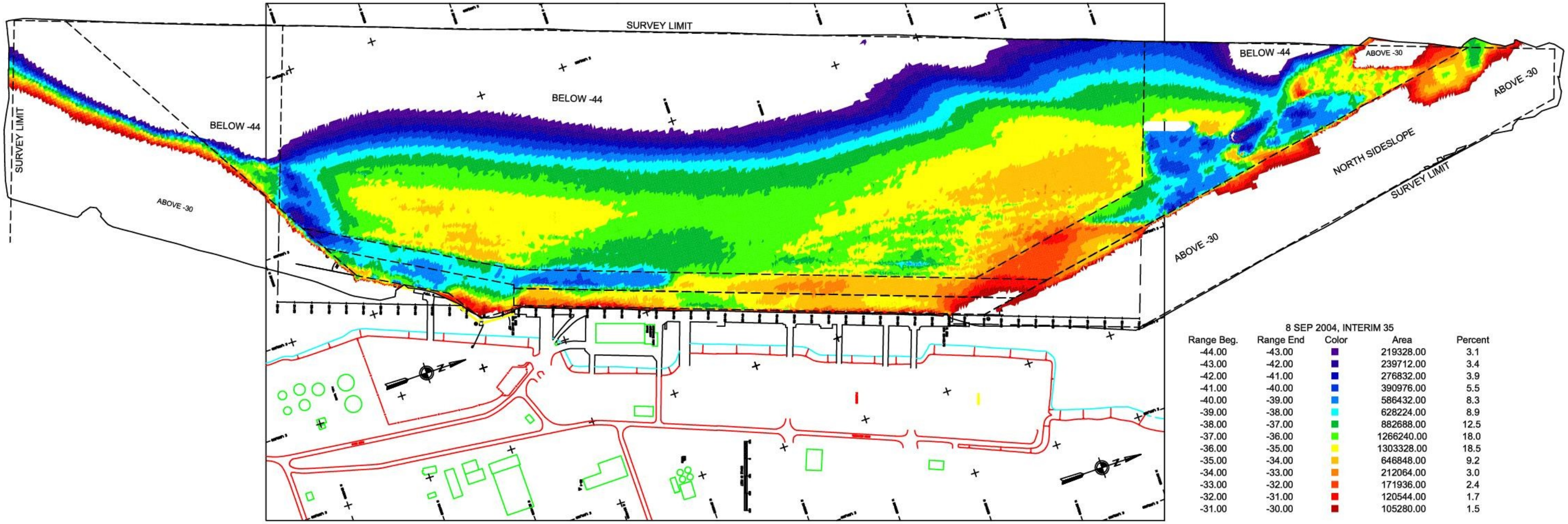
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SURVEY LIMIT
SHIP

3 SEP 2004, INTERIM 34

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	222336.00	3.2
-43.00	-42.00	🟪	234176.00	3.3
-42.00	-41.00	🟦	271008.00	3.9
-41.00	-40.00	🟦	432096.00	6.1
-40.00	-39.00	🟦	586656.00	8.3
-39.00	-38.00	🟦	557248.00	7.9
-38.00	-37.00	🟩	863360.00	12.3
-37.00	-36.00	🟩	1203904.00	17.1
-36.00	-35.00	🟨	1363296.00	19.4
-35.00	-34.00	🟧	643744.00	9.2
-34.00	-33.00	🟧	300032.00	4.3
-33.00	-32.00	🟧	149248.00	2.1
-32.00	-31.00	🟥	103552.00	1.5
-31.00	-30.00	🟥	97184.00	1.4

ANCHORAGE INTERIM 34, 3 SEP 04

Color Charts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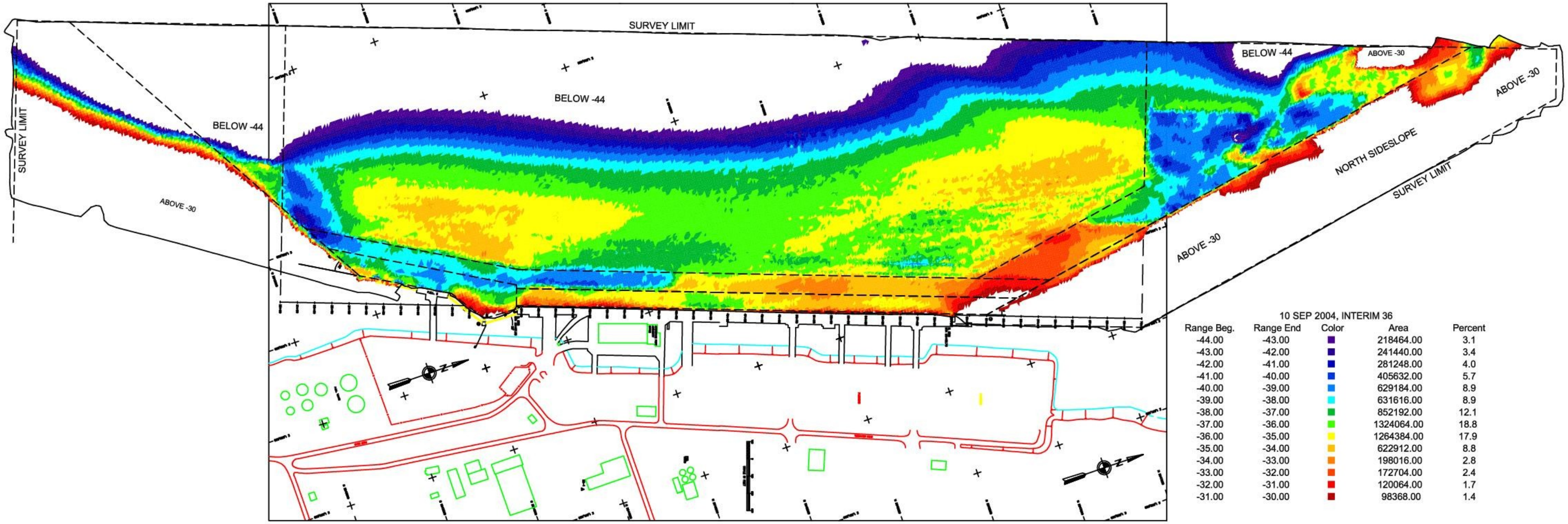
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
SURVEY LIMIT
NORTH SIDESLOPE
SURVEY LIMIT

8 SEP 2004, INTERIM 35

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	219328.00	3.1
-43.00	-42.00	🟪	239712.00	3.4
-42.00	-41.00	🟦	276832.00	3.9
-41.00	-40.00	🟦	390976.00	5.5
-40.00	-39.00	🟦	586432.00	8.3
-39.00	-38.00	🟦	628224.00	8.9
-38.00	-37.00	🟩	882688.00	12.5
-37.00	-36.00	🟩	1266240.00	18.0
-36.00	-35.00	🟨	1303328.00	18.5
-35.00	-34.00	🟧	646848.00	9.2
-34.00	-33.00	🟧	212064.00	3.0
-33.00	-32.00	🟧	171936.00	2.4
-32.00	-31.00	🟥	120544.00	1.7
-31.00	-30.00	🟥	105280.00	1.5

ANCHORAGE INTERIM 35, 8 SEP 04

Color Charts

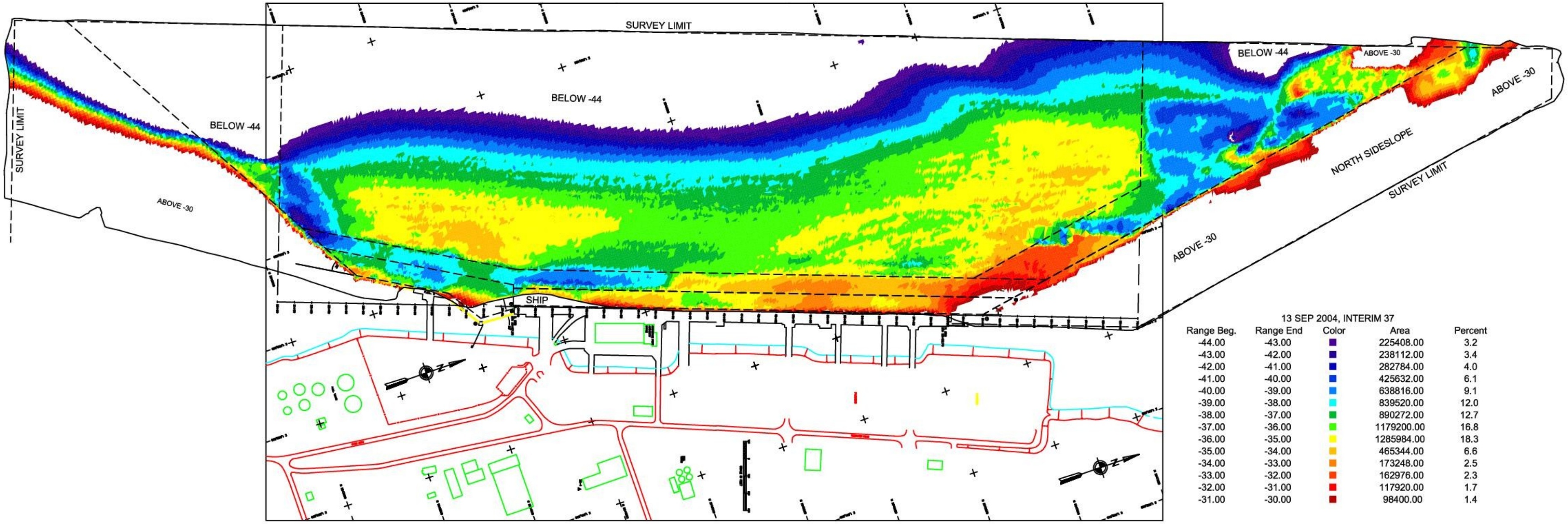

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SURVEY LIMIT

10 SEP 2004, INTERIM 36

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	218464.00	3.1
-43.00	-42.00	🟪	241440.00	3.4
-42.00	-41.00	🟦	281248.00	4.0
-41.00	-40.00	🟦	405632.00	5.7
-40.00	-39.00	🟦	629184.00	8.9
-39.00	-38.00	🟦	631616.00	8.9
-38.00	-37.00	🟩	852192.00	12.1
-37.00	-36.00	🟩	1324064.00	18.8
-36.00	-35.00	🟨	1264384.00	17.9
-35.00	-34.00	🟧	622912.00	8.8
-34.00	-33.00	🟧	198016.00	2.8
-33.00	-32.00	🟧	172704.00	2.4
-32.00	-31.00	🟥	120064.00	1.7
-31.00	-30.00	🟥	98368.00	1.4

ANCHORAGE INTERIM 36, 10 SEP 04

Color Charts

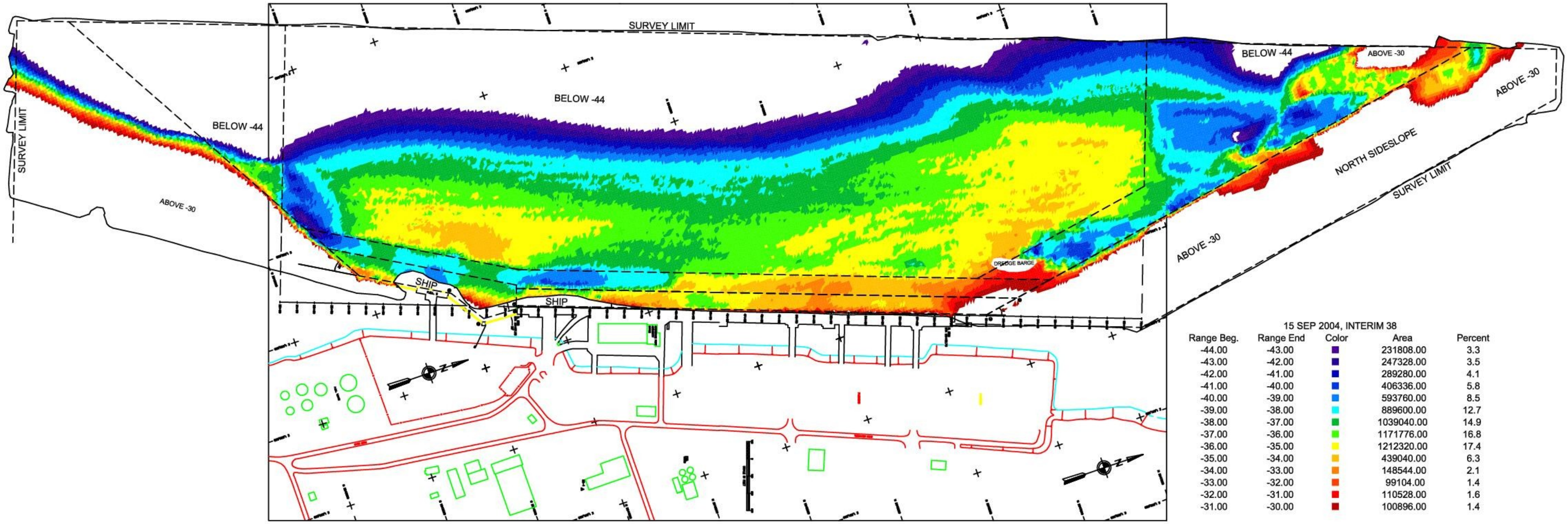

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
SURVEY LIMIT
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

13 SEP 2004, INTERIM 37

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	225408.00	3.2
-43.00	-42.00	🟪	238112.00	3.4
-42.00	-41.00	🟦	282784.00	4.0
-41.00	-40.00	🟦	425632.00	6.1
-40.00	-39.00	🟦	638816.00	9.1
-39.00	-38.00	🟦	839520.00	12.0
-38.00	-37.00	🟩	890272.00	12.7
-37.00	-36.00	🟩	1179200.00	16.8
-36.00	-35.00	🟨	1285984.00	18.3
-35.00	-34.00	🟨	465344.00	6.6
-34.00	-33.00	🟧	173248.00	2.5
-33.00	-32.00	🟧	162976.00	2.3
-32.00	-31.00	🟥	117920.00	1.7
-31.00	-30.00	🟥	98400.00	1.4

ANCHORAGE INTERIM 37, 13 SEP 04

Color Charts

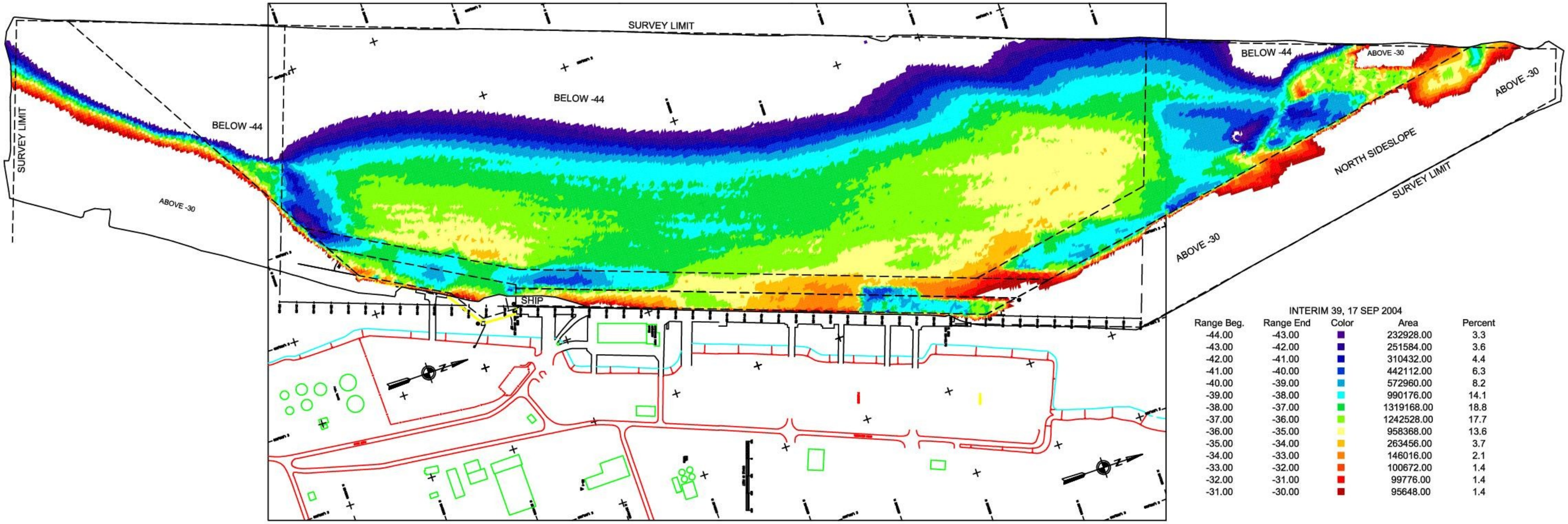

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
SURVEY LIMIT
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE BARGE
SHIP
SHIP

15 SEP 2004, INTERIM 38

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	231808.00	3.3
-43.00	-42.00	🟪	247328.00	3.5
-42.00	-41.00	🟦	289280.00	4.1
-41.00	-40.00	🟦	406336.00	5.8
-40.00	-39.00	🟦	593760.00	8.5
-39.00	-38.00	🟦	889600.00	12.7
-38.00	-37.00	🟩	1039040.00	14.9
-37.00	-36.00	🟩	1171776.00	16.8
-36.00	-35.00	🟨	1212320.00	17.4
-35.00	-34.00	🟧	439040.00	6.3
-34.00	-33.00	🟧	148544.00	2.1
-33.00	-32.00	🟥	99104.00	1.4
-32.00	-31.00	🟥	110528.00	1.6
-31.00	-30.00	🟥	100896.00	1.4

ANCHORAGE INTERIM 38, 15 SEP 04

Color Charts

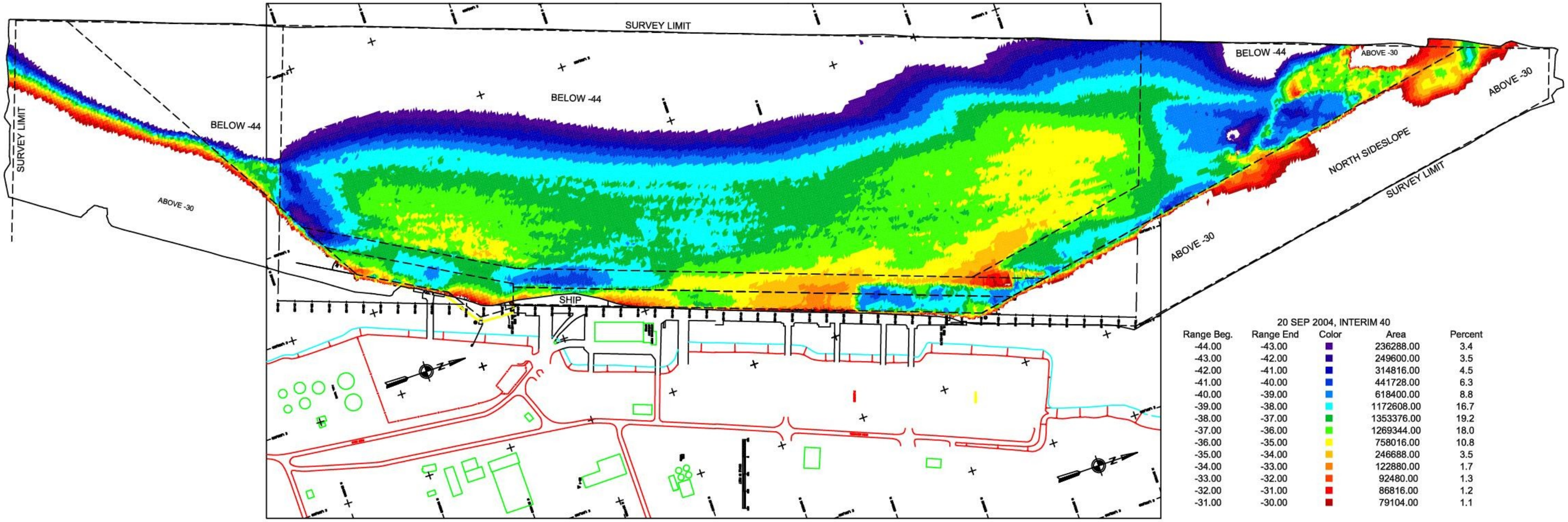

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
SURVEY LIMIT
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

INTERIM 39, 17 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	232928.00	3.3
-43.00	-42.00	🟪	251584.00	3.6
-42.00	-41.00	🟦	310432.00	4.4
-41.00	-40.00	🟦	442112.00	6.3
-40.00	-39.00	🟦	572960.00	8.2
-39.00	-38.00	🟦	990176.00	14.1
-38.00	-37.00	🟩	1319168.00	18.8
-37.00	-36.00	🟩	1242528.00	17.7
-36.00	-35.00	🟨	958368.00	13.6
-35.00	-34.00	🟧	263456.00	3.7
-34.00	-33.00	🟧	146016.00	2.1
-33.00	-32.00	🟧	100672.00	1.4
-32.00	-31.00	🟥	99776.00	1.4
-31.00	-30.00	🟥	95648.00	1.4

ANCHORAGE INTERIM 39, 17 SEP 04

Color Charts

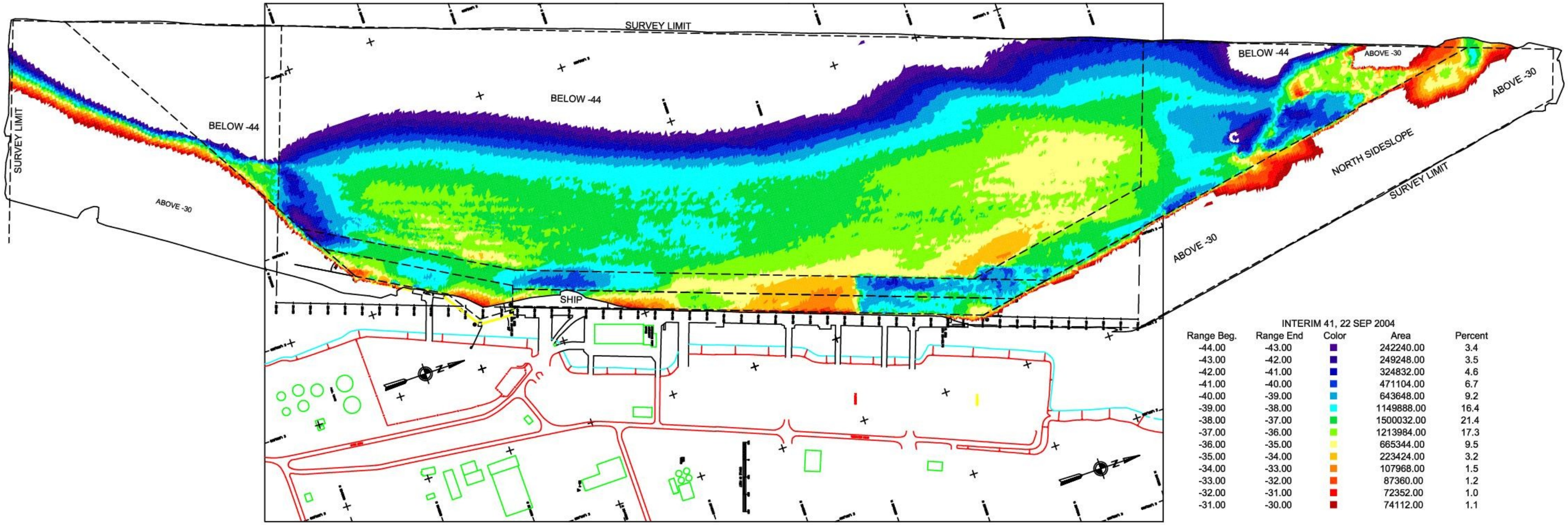

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

20 SEP 2004, INTERIM 40

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	236288.00	3.4
-43.00	-42.00	🟪	249600.00	3.5
-42.00	-41.00	🟦	314816.00	4.5
-41.00	-40.00	🟦	441728.00	6.3
-40.00	-39.00	🟦	618400.00	8.8
-39.00	-38.00	🟦	1172608.00	16.7
-38.00	-37.00	🟩	1353376.00	19.2
-37.00	-36.00	🟩	1269344.00	18.0
-36.00	-35.00	🟨	758016.00	10.8
-35.00	-34.00	🟧	246688.00	3.5
-34.00	-33.00	🟧	122880.00	1.7
-33.00	-32.00	🟥	92480.00	1.3
-32.00	-31.00	🟥	86816.00	1.2
-31.00	-30.00	🟥	79104.00	1.1

ANCHORAGE INTERIM 40, 20 SEP 04

Color Charts

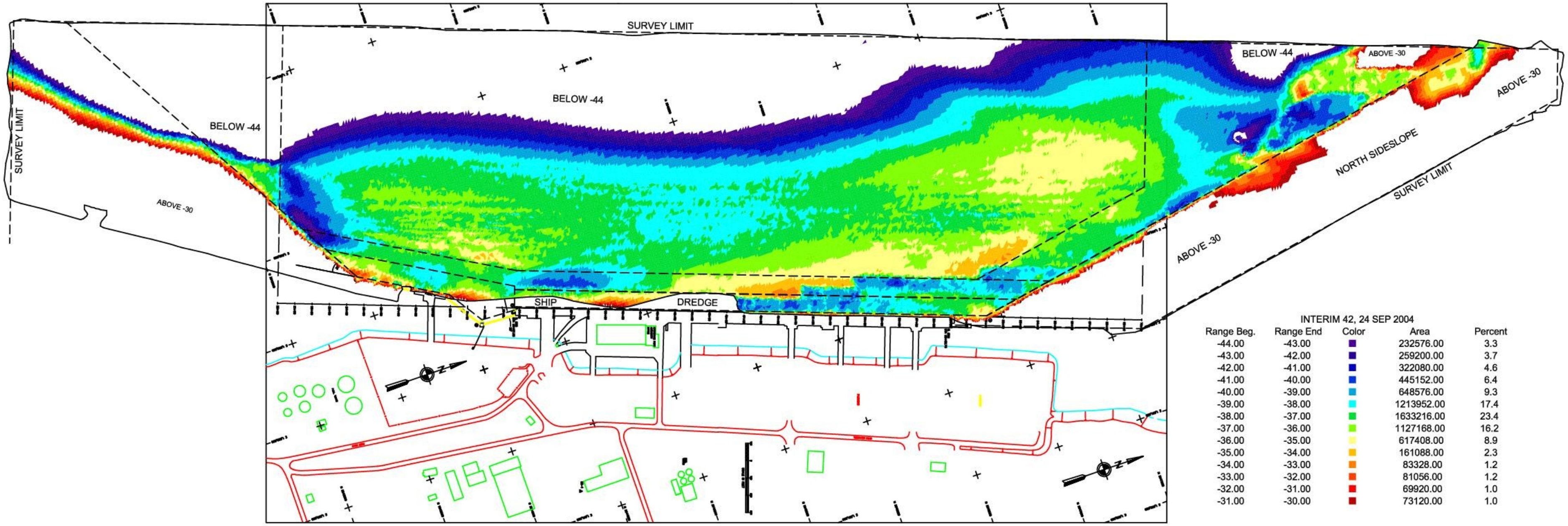

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

INTERIM 41, 22 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	242240.00	3.4
-43.00	-42.00	🟪	249248.00	3.5
-42.00	-41.00	🟦	324832.00	4.6
-41.00	-40.00	🟦	471104.00	6.7
-40.00	-39.00	🟦	643648.00	9.2
-39.00	-38.00	🟦	1149888.00	16.4
-38.00	-37.00	🟩	1500032.00	21.4
-37.00	-36.00	🟩	1213984.00	17.3
-36.00	-35.00	🟨	665344.00	9.5
-35.00	-34.00	🟨	223424.00	3.2
-34.00	-33.00	🟧	107968.00	1.5
-33.00	-32.00	🟧	87360.00	1.2
-32.00	-31.00	🟥	72352.00	1.0
-31.00	-30.00	🟥	74112.00	1.1

ANCHORAGE INTERIM 41, 22 SEP 04

Color Charts

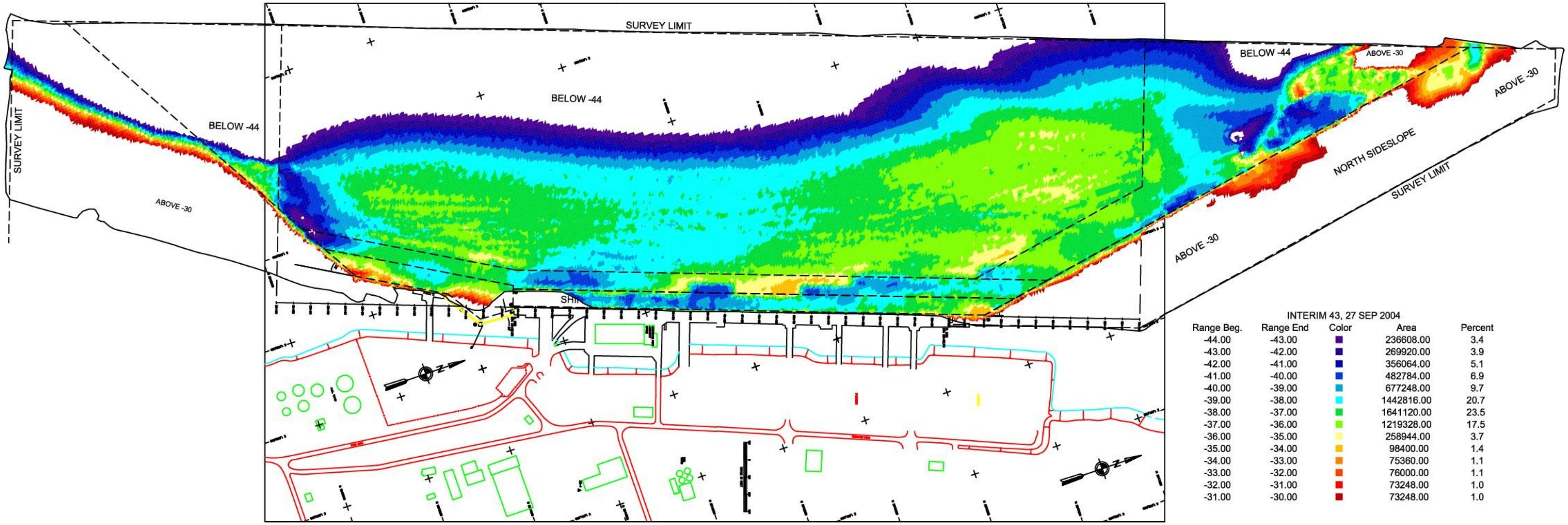

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SHIP
DREDGE

INTERIM 42, 24 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	232576.00	3.3
-43.00	-42.00	🟪	259200.00	3.7
-42.00	-41.00	🟦	322080.00	4.6
-41.00	-40.00	🟦	445152.00	6.4
-40.00	-39.00	🟦	648576.00	9.3
-39.00	-38.00	🟦	1213952.00	17.4
-38.00	-37.00	🟩	1633216.00	23.4
-37.00	-36.00	🟩	1127168.00	16.2
-36.00	-35.00	🟨	617408.00	8.9
-35.00	-34.00	🟧	161088.00	2.3
-34.00	-33.00	🟧	83328.00	1.2
-33.00	-32.00	🟥	81056.00	1.2
-32.00	-31.00	🟥	69920.00	1.0
-31.00	-30.00	🟥	73120.00	1.0

ANCHORAGE INTERIM 42, 24 SEP 04

Color Charts

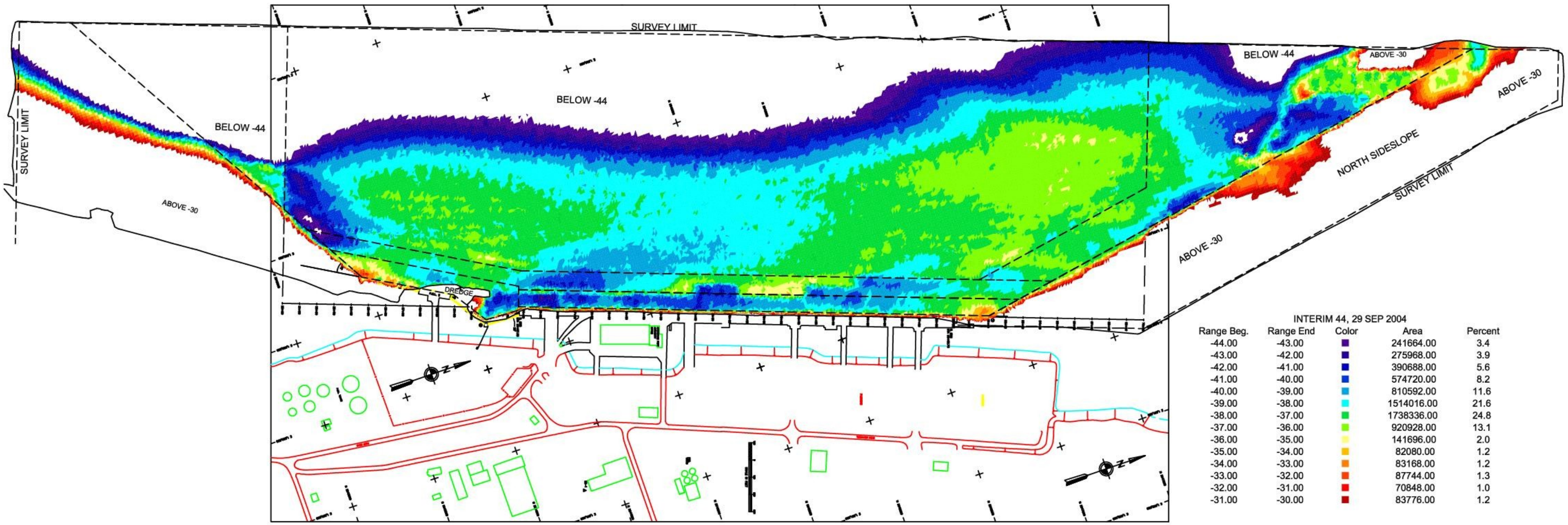

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
SURVEY LIMIT
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
ABOVE -30
SHI

INTERIM 43, 27 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	■	236608.00	3.4
-43.00	-42.00	■	269920.00	3.9
-42.00	-41.00	■	356064.00	5.1
-41.00	-40.00	■	482784.00	6.9
-40.00	-39.00	■	677248.00	9.7
-39.00	-38.00	■	1442816.00	20.7
-38.00	-37.00	■	1641120.00	23.5
-37.00	-36.00	■	1219328.00	17.5
-36.00	-35.00	■	258944.00	3.7
-35.00	-34.00	■	98400.00	1.4
-34.00	-33.00	■	75360.00	1.1
-33.00	-32.00	■	76000.00	1.1
-32.00	-31.00	■	73248.00	1.0
-31.00	-30.00	■	73248.00	1.0

ANCHORAGE INTERIM 43, 27 SEP 04

Color Charts

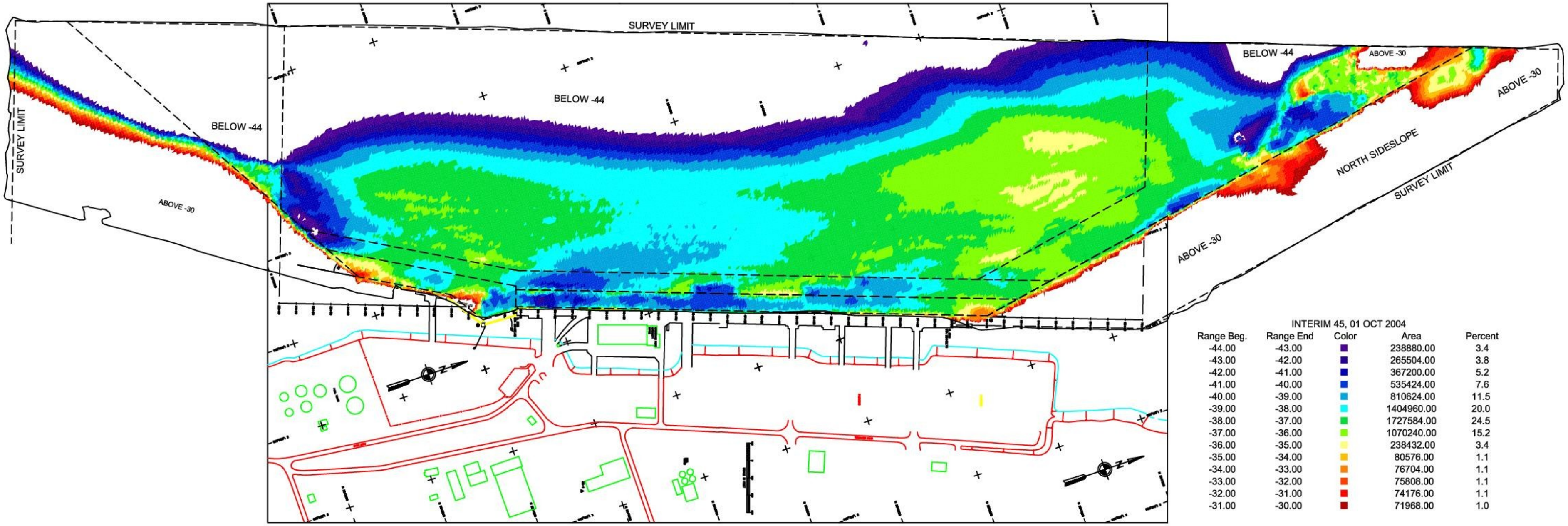

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE

INTERIM 44, 29 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	241664.00	3.4
-43.00	-42.00	🟪	275968.00	3.9
-42.00	-41.00	🟦	390688.00	5.6
-41.00	-40.00	🟦	574720.00	8.2
-40.00	-39.00	🟦	810592.00	11.6
-39.00	-38.00	🟦	1514016.00	21.6
-38.00	-37.00	🟩	1738336.00	24.8
-37.00	-36.00	🟩	920928.00	13.1
-36.00	-35.00	🟨	141696.00	2.0
-35.00	-34.00	🟧	82080.00	1.2
-34.00	-33.00	🟧	83168.00	1.2
-33.00	-32.00	🟥	87744.00	1.3
-32.00	-31.00	🟥	70848.00	1.0
-31.00	-30.00	🟥	83776.00	1.2

ANCHORAGE INTERIM 44, 29 SEP 04

Color Charts

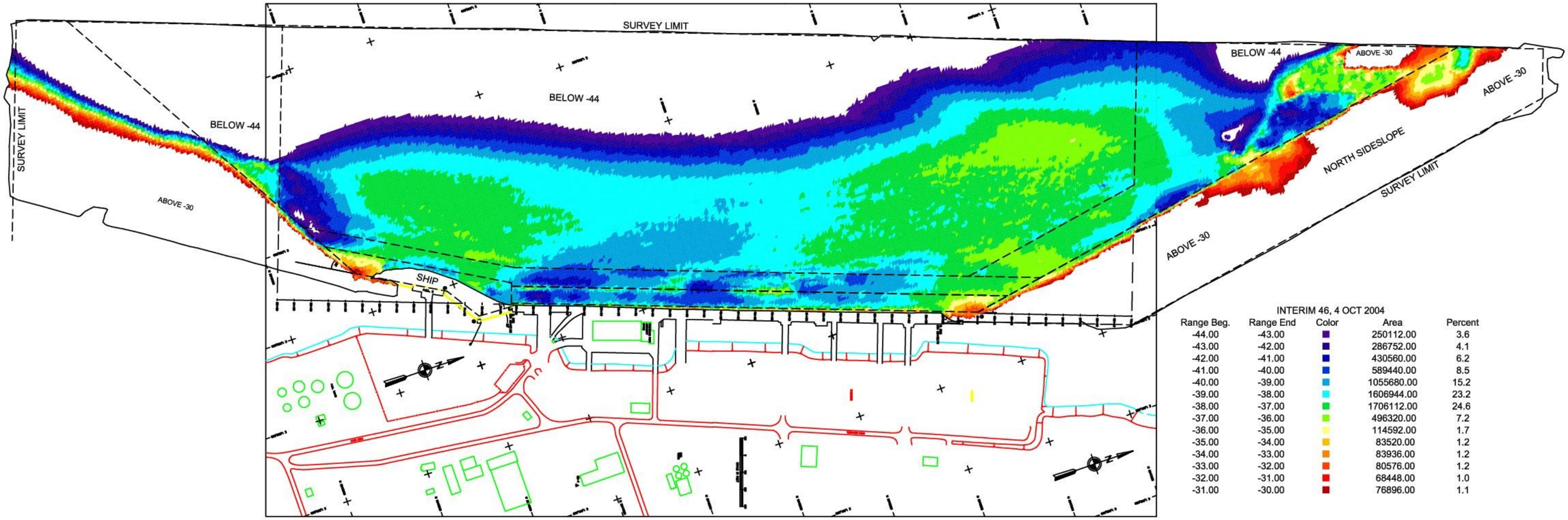

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
SURVEY LIMIT
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
ABOVE -30

INTERIM 45, 01 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	238880.00	3.4
-43.00	-42.00	🟪	265504.00	3.8
-42.00	-41.00	🟦	367200.00	5.2
-41.00	-40.00	🟦	535424.00	7.6
-40.00	-39.00	🟦	810624.00	11.5
-39.00	-38.00	🟦	1404960.00	20.0
-38.00	-37.00	🟩	1727584.00	24.5
-37.00	-36.00	🟩	1070240.00	15.2
-36.00	-35.00	🟨	238432.00	3.4
-35.00	-34.00	🟧	80576.00	1.1
-34.00	-33.00	🟧	76704.00	1.1
-33.00	-32.00	🟥	75808.00	1.1
-32.00	-31.00	🟥	74176.00	1.1
-31.00	-30.00	🟥	71968.00	1.0

ANCHORAGE INTERIM 45, 01 OCT 2004

Color Charts

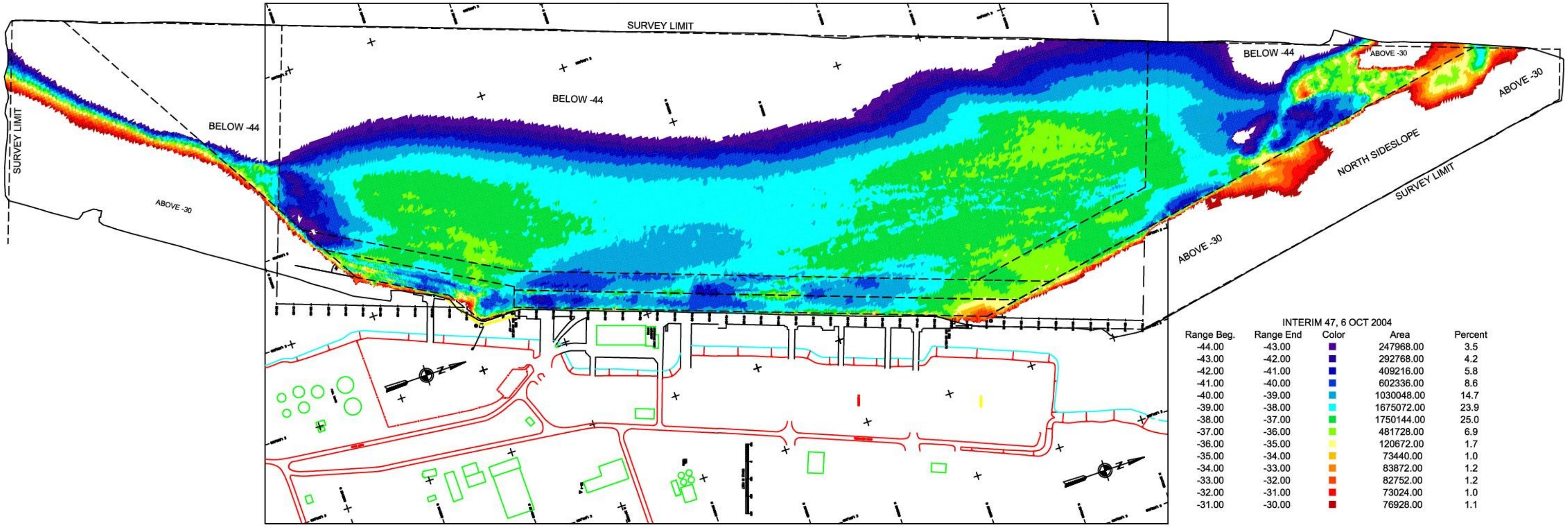

SURVEY LIMIT
BELOW -44
BELOW -44
SURVEY LIMIT
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
SHIP
NORTH SIDESLOPE
SURVEY LIMIT
ABOVE -30

INTERIM 46, 4 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	250112.00	3.6
-43.00	-42.00	🟪	286752.00	4.1
-42.00	-41.00	🟦	430560.00	6.2
-41.00	-40.00	🟦	589440.00	8.5
-40.00	-39.00	🟦	1055680.00	15.2
-39.00	-38.00	🟦	1606944.00	23.2
-38.00	-37.00	🟩	1706112.00	24.6
-37.00	-36.00	🟩	496320.00	7.2
-36.00	-35.00	🟨	114592.00	1.7
-35.00	-34.00	🟧	83520.00	1.2
-34.00	-33.00	🟧	83936.00	1.2
-33.00	-32.00	🟧	80576.00	1.2
-32.00	-31.00	🟥	68448.00	1.0
-31.00	-30.00	🟥	76896.00	1.1

ANCHORAGE INTERIM 46, 04 OCT 04

Color Charts

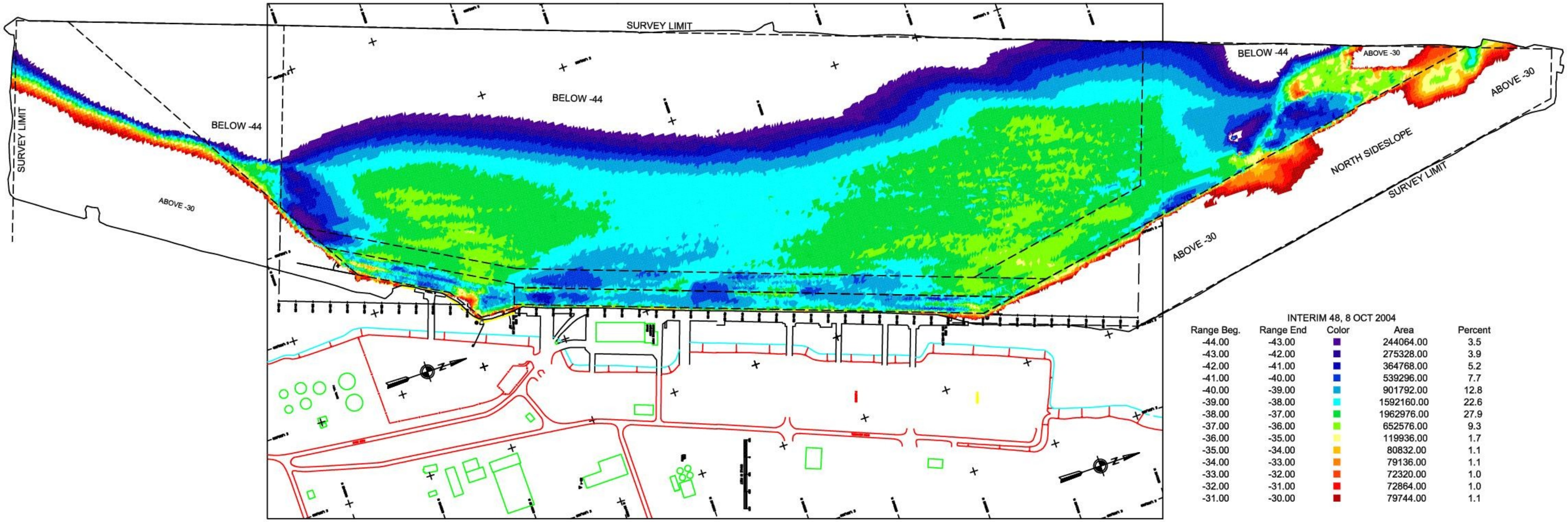

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
SURVEY LIMIT
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

INTERIM 47, 6 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	247968.00	3.5
-43.00	-42.00	🟪	292768.00	4.2
-42.00	-41.00	🟦	409216.00	5.8
-41.00	-40.00	🟦	602336.00	8.6
-40.00	-39.00	🟦	1030048.00	14.7
-39.00	-38.00	🟦	1675072.00	23.9
-38.00	-37.00	🟩	1750144.00	25.0
-37.00	-36.00	🟩	481728.00	6.9
-36.00	-35.00	🟨	120672.00	1.7
-35.00	-34.00	🟨	73440.00	1.0
-34.00	-33.00	🟧	83872.00	1.2
-33.00	-32.00	🟧	82752.00	1.2
-32.00	-31.00	🟥	73024.00	1.0
-31.00	-30.00	🟥	76928.00	1.1

ANCHORAGE INTERIM 47, 6 OCT 04

Color Charts


SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
SURVEY LIMIT
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

INTERIM 48, 8 OCT 2004

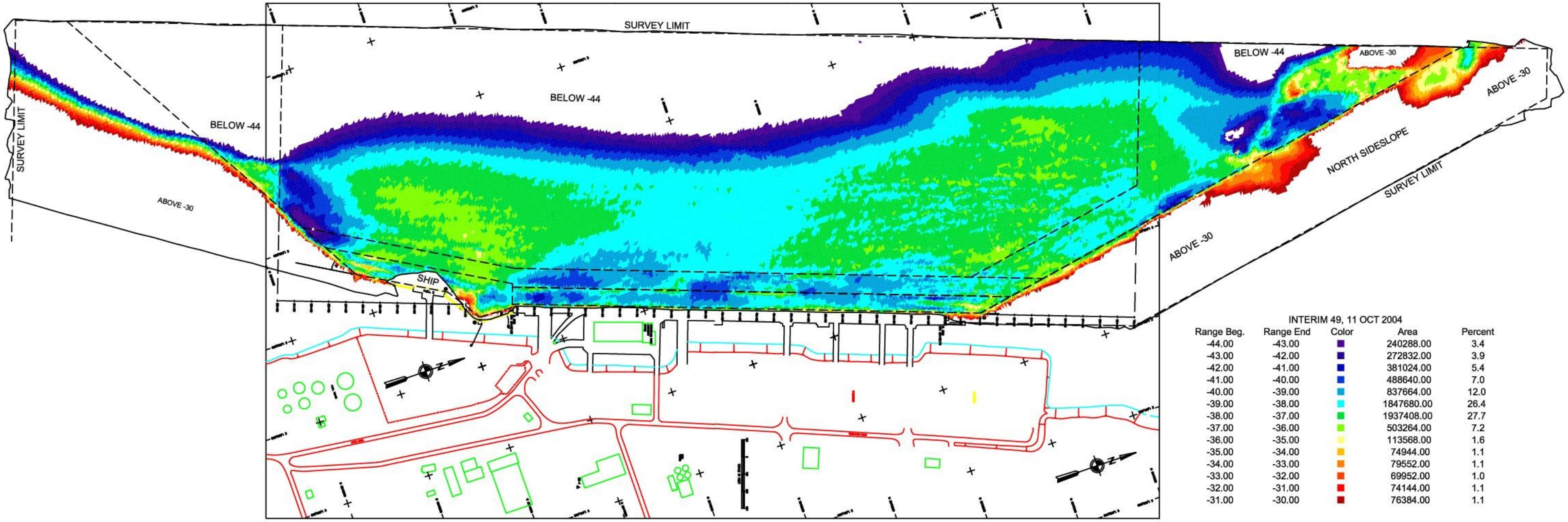
Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	244064.00	3.5
-43.00	-42.00	🟪	275328.00	3.9
-42.00	-41.00	🟦	364768.00	5.2
-41.00	-40.00	🟦	539296.00	7.7
-40.00	-39.00	🟦	901792.00	12.8
-39.00	-38.00	🟦	1592160.00	22.6
-38.00	-37.00	🟩	1962976.00	27.9
-37.00	-36.00	🟩	652576.00	9.3
-36.00	-35.00	🟨	119936.00	1.7
-35.00	-34.00	🟧	80832.00	1.1
-34.00	-33.00	🟧	79136.00	1.1
-33.00	-32.00	🟥	72320.00	1.0
-32.00	-31.00	🟥	72864.00	1.0
-31.00	-30.00	🟥	79744.00	1.1

ANCHORAGE INTERIM 48, 8 OCT 04

US Army Corps of Engineers
Alaska District

Color Charts

AK

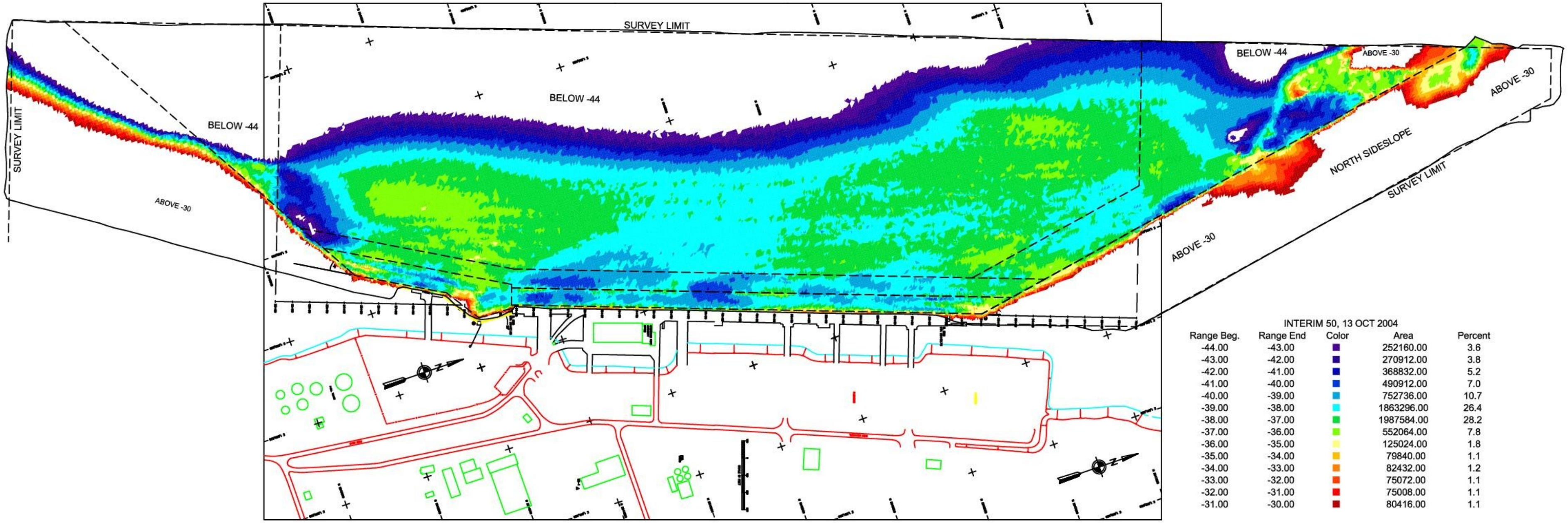

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
SURVEY LIMIT
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

INTERIM 49, 11 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	240288.00	3.4
-43.00	-42.00	🟪	272832.00	3.9
-42.00	-41.00	🟦	381024.00	5.4
-41.00	-40.00	🟦	488640.00	7.0
-40.00	-39.00	🟦	837664.00	12.0
-39.00	-38.00	🟦	1847680.00	26.4
-38.00	-37.00	🟩	1937408.00	27.7
-37.00	-36.00	🟩	503264.00	7.2
-36.00	-35.00	🟨	113568.00	1.6
-35.00	-34.00	🟧	74944.00	1.1
-34.00	-33.00	🟧	79552.00	1.1
-33.00	-32.00	🟧	69952.00	1.0
-32.00	-31.00	🟥	74144.00	1.1
-31.00	-30.00	🟥	76384.00	1.1

ANCHORAGE INTERIM 49, 11 OCT 04

Color Charts

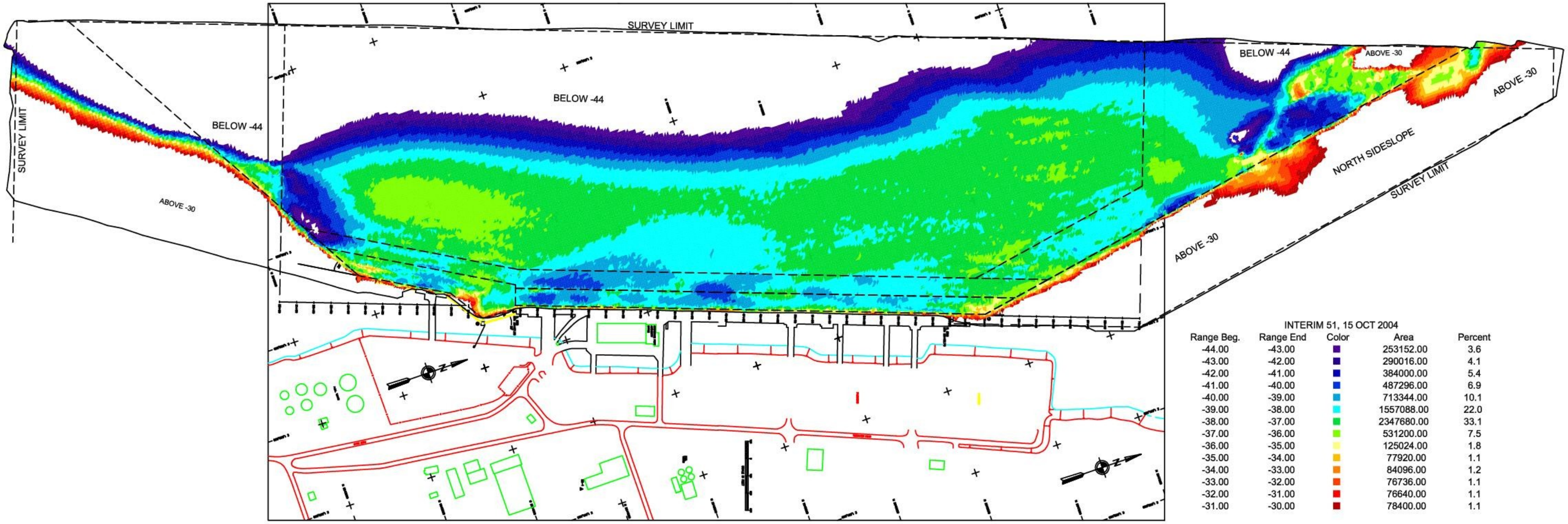

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

INTERIM 50, 13 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	252160.00	3.6
-43.00	-42.00	🟪	270912.00	3.8
-42.00	-41.00	🟦	368832.00	5.2
-41.00	-40.00	🟦	490912.00	7.0
-40.00	-39.00	🟦	752736.00	10.7
-39.00	-38.00	🟦	1863296.00	26.4
-38.00	-37.00	🟩	1987584.00	28.2
-37.00	-36.00	🟩	552064.00	7.8
-36.00	-35.00	🟨	125024.00	1.8
-35.00	-34.00	🟧	79840.00	1.1
-34.00	-33.00	🟧	82432.00	1.2
-33.00	-32.00	🟥	75072.00	1.1
-32.00	-31.00	🟥	75008.00	1.1
-31.00	-30.00	🟥	80416.00	1.1

ANCHORAGE INTERIM 50, 13 OCT 04

Color Charts

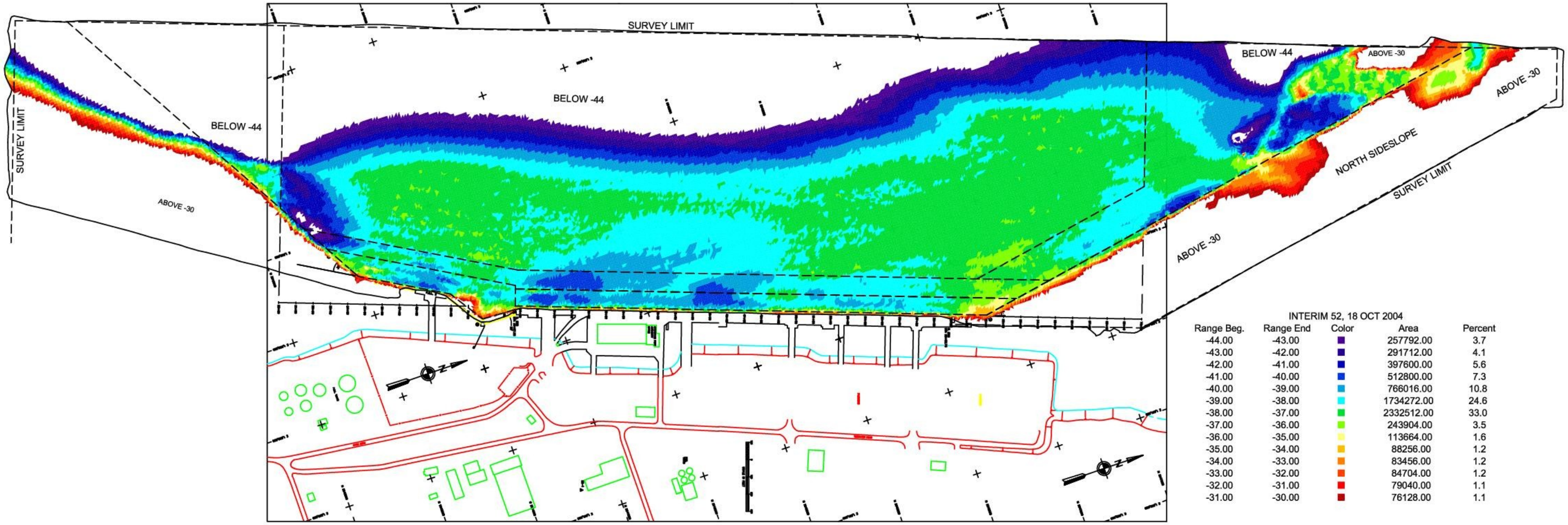

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

INTERIM 51, 15 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	253152.00	3.6
-43.00	-42.00	🟪	290016.00	4.1
-42.00	-41.00	🟦	384000.00	5.4
-41.00	-40.00	🟦	487296.00	6.9
-40.00	-39.00	🟦	713344.00	10.1
-39.00	-38.00	🟦	1557088.00	22.0
-38.00	-37.00	🟩	2347680.00	33.1
-37.00	-36.00	🟩	531200.00	7.5
-36.00	-35.00	🟨	125024.00	1.8
-35.00	-34.00	🟧	77920.00	1.1
-34.00	-33.00	🟧	84096.00	1.2
-33.00	-32.00	🟥	76736.00	1.1
-32.00	-31.00	🟥	76640.00	1.1
-31.00	-30.00	🟥	78400.00	1.1

ANCHORAGE INTERIM 51, 15 OCT 04

Color Charts

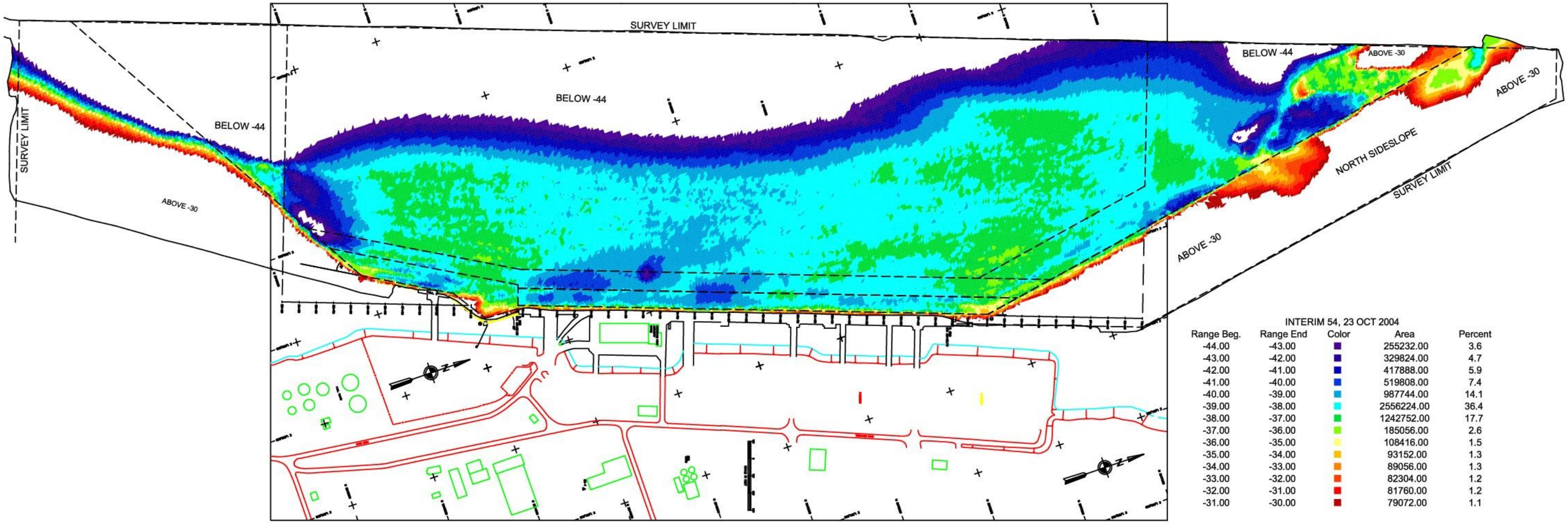

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT

INTERIM 52, 18 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	257792.00	3.7
-43.00	-42.00	🟪	291712.00	4.1
-42.00	-41.00	🟦	397600.00	5.6
-41.00	-40.00	🟦	512800.00	7.3
-40.00	-39.00	🟦	766016.00	10.8
-39.00	-38.00	🟦	1734272.00	24.6
-38.00	-37.00	🟩	2332512.00	33.0
-37.00	-36.00	🟩	243904.00	3.5
-36.00	-35.00	🟨	113664.00	1.6
-35.00	-34.00	🟧	88256.00	1.2
-34.00	-33.00	🟧	83456.00	1.2
-33.00	-32.00	🟥	84704.00	1.2
-32.00	-31.00	🟥	79040.00	1.1
-31.00	-30.00	🟥	76128.00	1.1

ANCHORAGE INTERIM 52, 18 OCT 04

Color Charts


SURVEY LIMIT
BELOW -44
ABOVE -30
SURVEY LIMIT
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
ABOVE -30

INTERIM 54, 23 OCT 2004

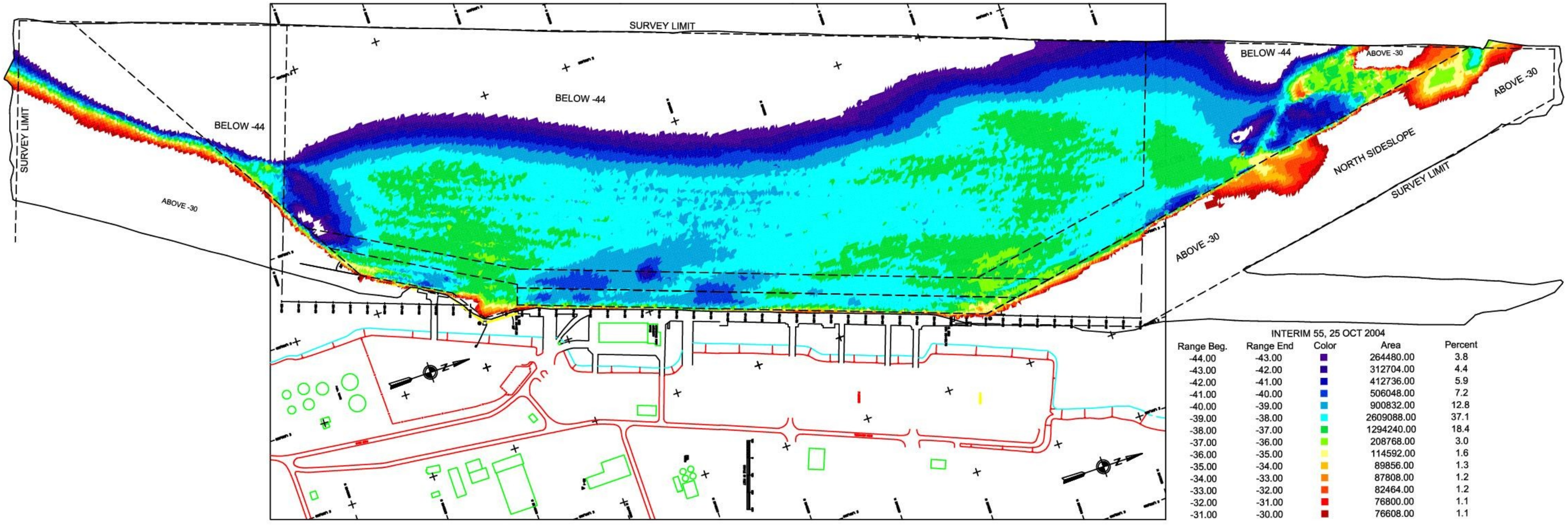
Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	255232.00	3.6
-43.00	-42.00	🟪	329824.00	4.7
-42.00	-41.00	🟦	417888.00	5.9
-41.00	-40.00	🟦	519808.00	7.4
-40.00	-39.00	🟦	987744.00	14.1
-39.00	-38.00	🟦	2556224.00	36.4
-38.00	-37.00	🟩	1242752.00	17.7
-37.00	-36.00	🟩	185056.00	2.6
-36.00	-35.00	🟨	108416.00	1.5
-35.00	-34.00	🟧	93152.00	1.3
-34.00	-33.00	🟧	89056.00	1.3
-33.00	-32.00	🟥	82304.00	1.2
-32.00	-31.00	🟥	81760.00	1.2
-31.00	-30.00	🟥	79072.00	1.1

ANCHORAGE INTERIM 54, 23 OCT 04

US Army Corps of Engineers
Alaska District

Color Charts

AK

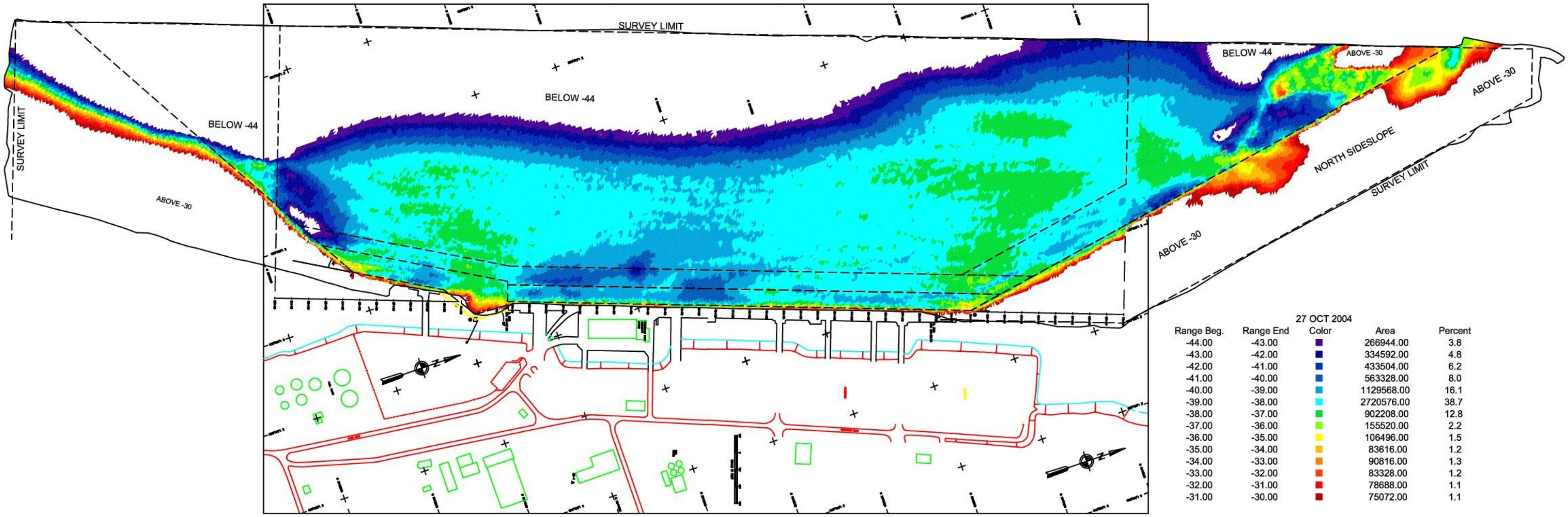

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
SURVEY LIMIT
NORTH SIDESLOPE
SURVEY LIMIT

INTERIM 55, 25 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	264480.00	3.8
-43.00	-42.00	🟪	312704.00	4.4
-42.00	-41.00	🟦	412736.00	5.9
-41.00	-40.00	🟦	506048.00	7.2
-40.00	-39.00	🟦	900832.00	12.8
-39.00	-38.00	🟦	2609088.00	37.1
-38.00	-37.00	🟩	1294240.00	18.4
-37.00	-36.00	🟩	208768.00	3.0
-36.00	-35.00	🟨	114592.00	1.6
-35.00	-34.00	🟨	89856.00	1.3
-34.00	-33.00	🟧	87808.00	1.2
-33.00	-32.00	🟧	82464.00	1.2
-32.00	-31.00	🟥	76800.00	1.1
-31.00	-30.00	🟥	76608.00	1.1

ANCHORAGE INTERIM 55, 25 OCT 04

Color Charts

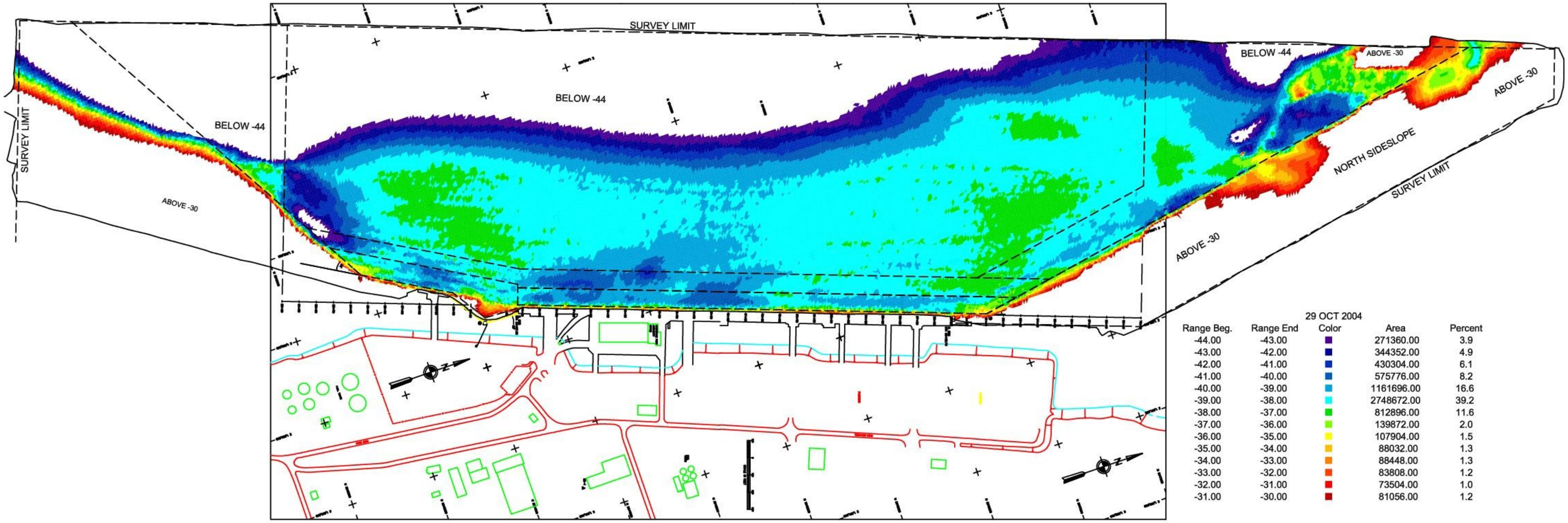

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
SURVEY LIMIT
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
N
N

27 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	266944.00	3.8
-43.00	-42.00	🟦	334592.00	4.8
-42.00	-41.00	🟦	433504.00	6.2
-41.00	-40.00	🟦	563328.00	8.0
-40.00	-39.00	🟦	1129568.00	16.1
-39.00	-38.00	🟦	2720576.00	38.7
-38.00	-37.00	🟩	902208.00	12.8
-37.00	-36.00	🟩	155520.00	2.2
-36.00	-35.00	🟨	106496.00	1.5
-35.00	-34.00	🟧	83616.00	1.2
-34.00	-33.00	🟧	90816.00	1.3
-33.00	-32.00	🟧	83328.00	1.2
-32.00	-31.00	🟥	78688.00	1.1
-31.00	-30.00	🟥	75072.00	1.1

ANCHORAGE INTERIM 56, 27 OCT 04

Color Charts

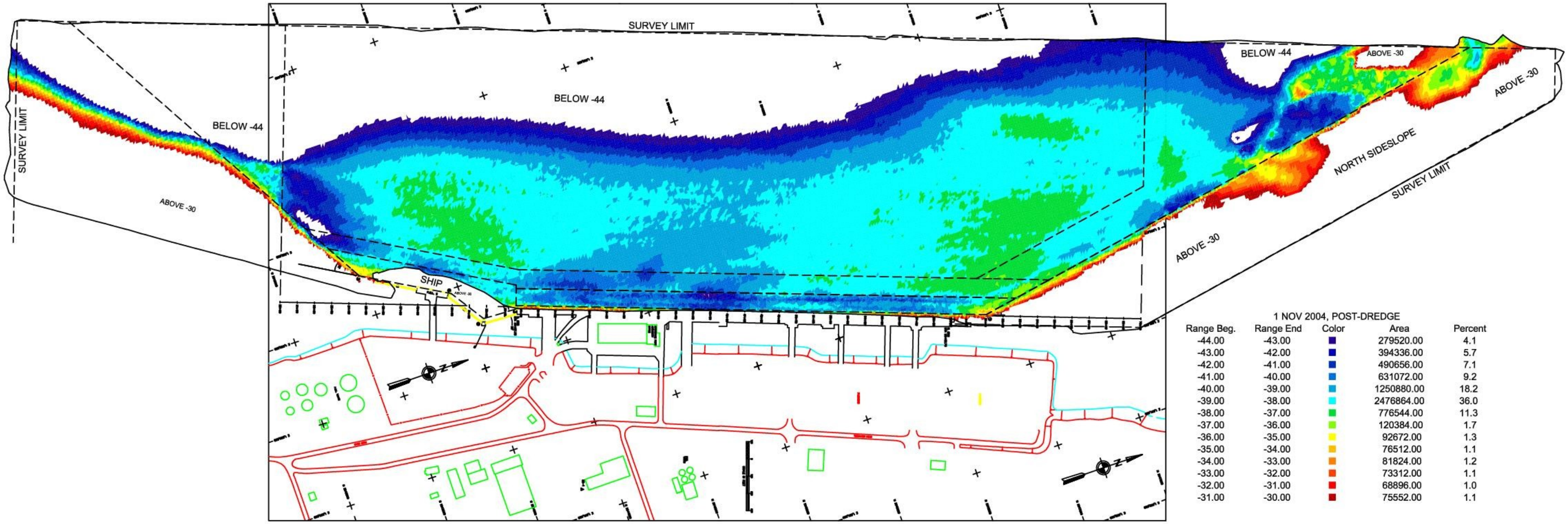

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
SURVEY LIMIT
NORTH SIDESLOPE
SURVEY LIMIT

29 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	271360.00	3.9
-43.00	-42.00	🟦	344352.00	4.9
-42.00	-41.00	🟦	430304.00	6.1
-41.00	-40.00	🟦	575776.00	8.2
-40.00	-39.00	🟦	1161696.00	16.6
-39.00	-38.00	🟦	2748672.00	39.2
-38.00	-37.00	🟩	812896.00	11.6
-37.00	-36.00	🟩	139872.00	2.0
-36.00	-35.00	🟨	107904.00	1.5
-35.00	-34.00	🟧	88032.00	1.3
-34.00	-33.00	🟧	88448.00	1.3
-33.00	-32.00	🟥	83808.00	1.2
-32.00	-31.00	🟥	73504.00	1.0
-31.00	-30.00	🟥	81056.00	1.2

ANCHORAGE INTERIM 57, 29 OCT 04

Color Charts

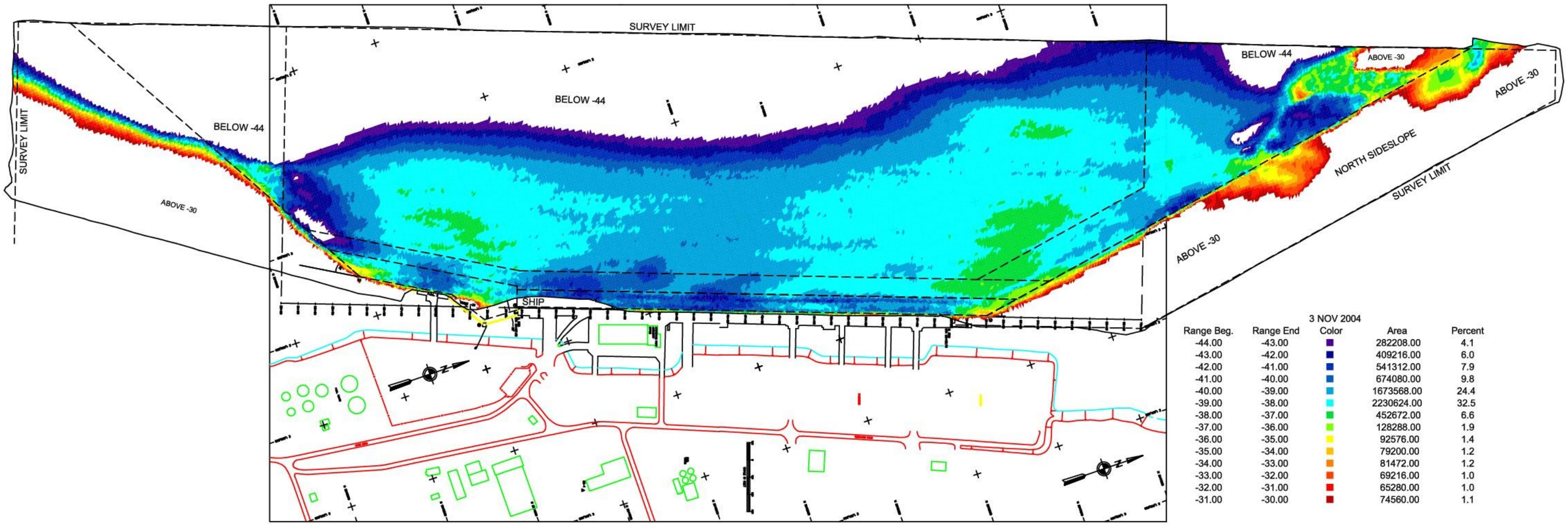

SURVEY LIMIT
SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

1 NOV 2004, POST-DREDGE

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟦	279520.00	4.1
-43.00	-42.00	🟦	394336.00	5.7
-42.00	-41.00	🟦	490656.00	7.1
-41.00	-40.00	🟦	631072.00	9.2
-40.00	-39.00	🟦	1250880.00	18.2
-39.00	-38.00	🟦	2476864.00	36.0
-38.00	-37.00	🟩	776544.00	11.3
-37.00	-36.00	🟩	120384.00	1.7
-36.00	-35.00	🟨	92672.00	1.3
-35.00	-34.00	🟧	76512.00	1.1
-34.00	-33.00	🟧	81824.00	1.2
-33.00	-32.00	🟥	73312.00	1.1
-32.00	-31.00	🟥	68896.00	1.0
-31.00	-30.00	🟥	75552.00	1.1

ANCHORAGE POST-DREDGE, 1 NOV 04

Color Charts



3 NOV 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	282208.00	4.1
-43.00	-42.00	🟦	409216.00	6.0
-42.00	-41.00	🟦	541312.00	7.9
-41.00	-40.00	🟦	674080.00	9.8
-40.00	-39.00	🟦	1673568.00	24.4
-39.00	-38.00	🟦	2230624.00	32.5
-38.00	-37.00	🟩	452672.00	6.6
-37.00	-36.00	🟩	128288.00	1.9
-36.00	-35.00	🟨	92576.00	1.4
-35.00	-34.00	🟧	79200.00	1.2
-34.00	-33.00	🟧	81472.00	1.2
-33.00	-32.00	🟥	69216.00	1.0
-32.00	-31.00	🟥	65280.00	1.0
-31.00	-30.00	🟥	74560.00	1.1

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
SURVEY LIMIT
NORTH SIDESLOPE
SURVEY LIMIT
SHIP

ANCHORAGE SURVEY 59, 3 NOV 04

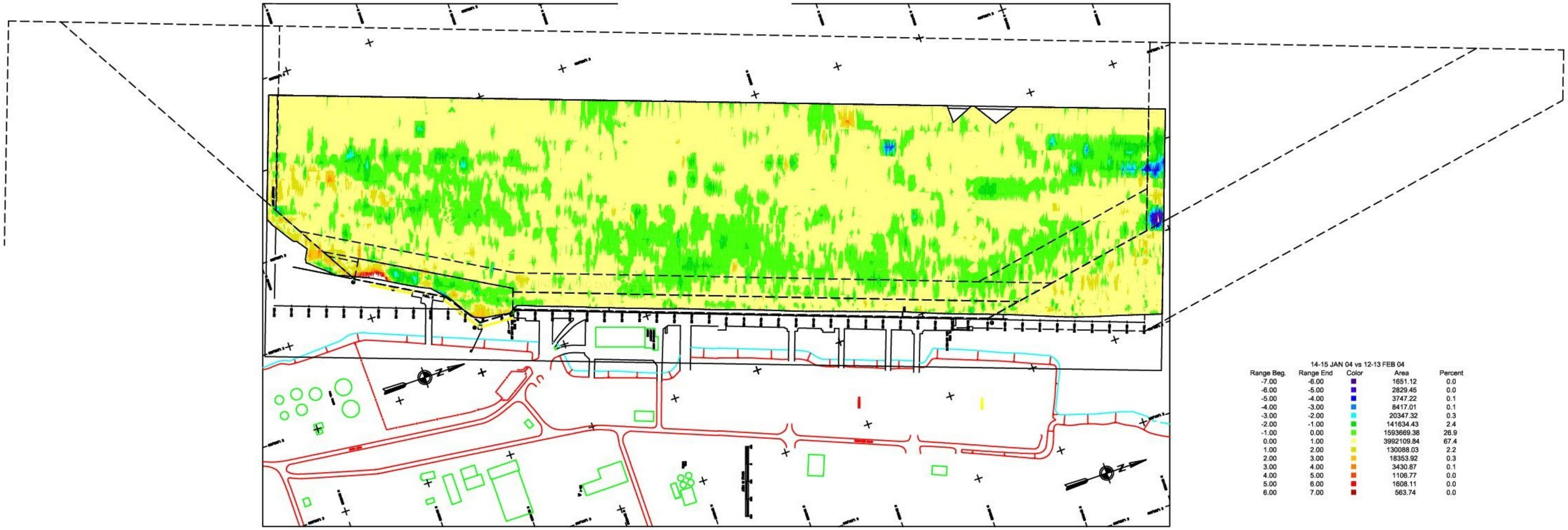
Change Charts

LEGEND

01 OCT 2004 VS 04 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	117.54	0.0
-6.00	-5.00	🟦	216.63	0.0
-5.00	-4.00	🟦	645.14	0.0
-4.00	-3.00	🟦	3946.78	0.0
-3.00	-2.00	🟦	29870.39	0.2
-2.00	-1.00	🟩	397338.83	3.3
-1.00	0.00	🟩	10612653.74	87.3
0.00	1.00	🟨	1086163.79	8.9
1.00	2.00	🟨	16720.09	0.1
2.00	3.00	🟧	2133.11	0.0
3.00	4.00	🟧	747.43	0.0
4.00	5.00	🟥	253.54	0.0
5.00	6.00	🟥	47.87	0.0
6.00	7.00	🟥	10.75	0.0

Change Charts



14-15 JAN 04 vs 12-13 FEB 04

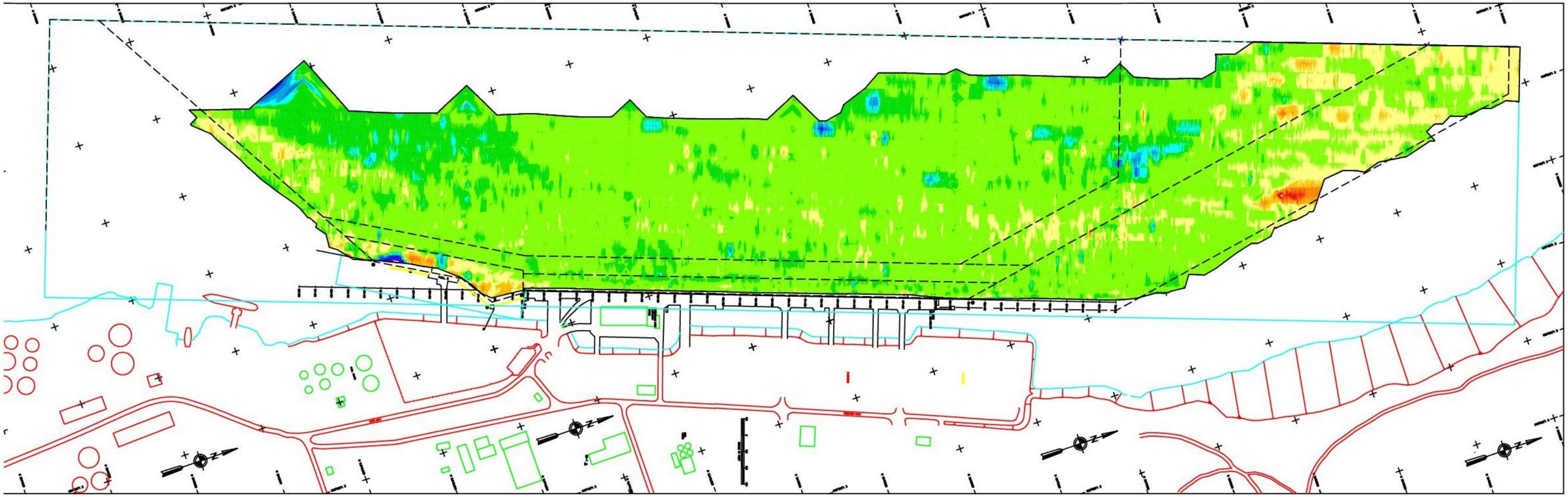
Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	1651.12	0.0
-6.00	-5.00	🟪	2829.45	0.0
-5.00	-4.00	🟦	3747.22	0.1
-4.00	-3.00	🟦	8417.01	0.1
-3.00	-2.00	🟦	20347.32	0.3
-2.00	-1.00	🟩	141634.43	2.4
-1.00	0.00	🟩	1593669.38	26.9
0.00	1.00	🟨	3992109.84	67.4
1.00	2.00	🟨	130088.03	2.2
2.00	3.00	🟧	18353.92	0.3
3.00	4.00	🟧	3430.87	0.1
4.00	5.00	🟥	1106.77	0.0
5.00	6.00	🟥	1608.11	0.0
6.00	7.00	🟥	563.74	0.0

ANCHORAGE 14-15 JAN 04 vs. 12-13 FEB 04

Change Charts

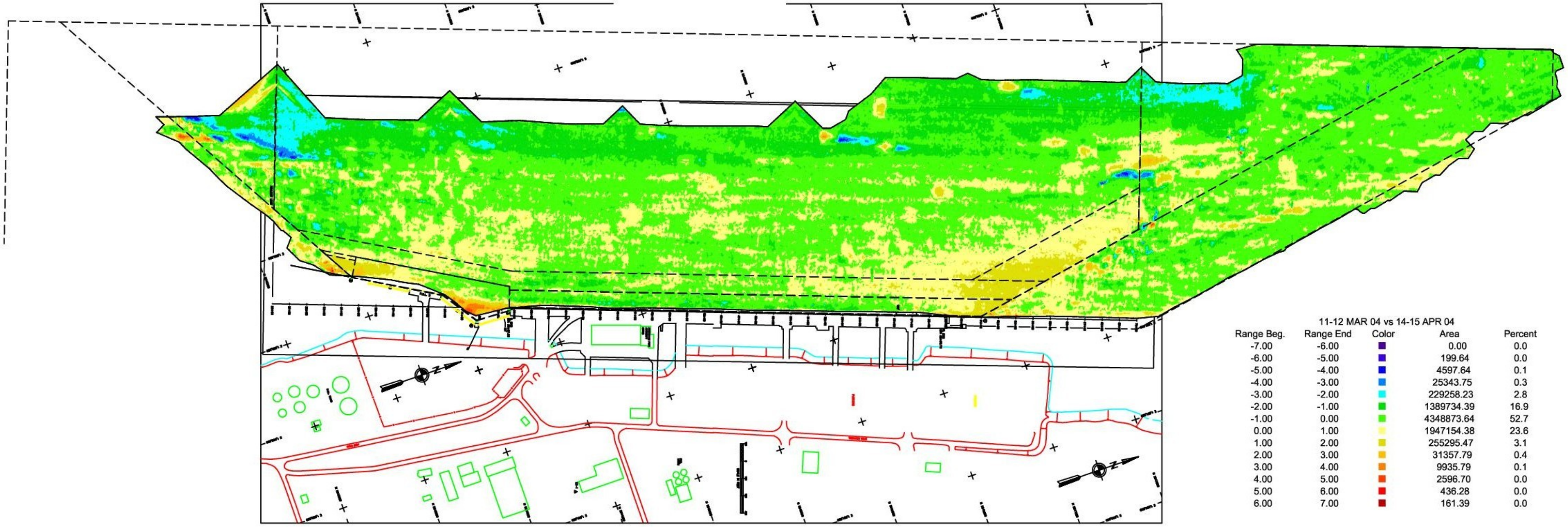
12-13 FEB VS 11-12 MAR 2004

Range Beg.	Range End	Color	Area	Percent
-10.00	-9.00	🟪	444.72	0.0
-9.00	-8.00	🟪	549.35	0.0
-8.00	-7.00	🟪	895.46	0.0
-7.00	-6.00	🟦	806.30	0.0
-6.00	-5.00	🟦	4158.70	0.1
-5.00	-4.00	🟦	13473.04	0.2
-4.00	-3.00	🟦	38480.77	0.5
-3.00	-2.00	🟦	121157.89	1.5
-2.00	-1.00	🟩	1222363.52	14.8
-1.00	0.00	🟩	5700681.09	69.2
0.00	1.00	🟨	1018663.63	12.4
1.00	2.00	🟨	89854.47	1.1
2.00	3.00	🟧	24087.98	0.3
3.00	4.00	🟥	5734.50	0.1



ANCHORAGE 12-13 FEB VS. 11-12 MAR 2004

Change Charts



11-12 MAR 04 vs 14-15 APR 04

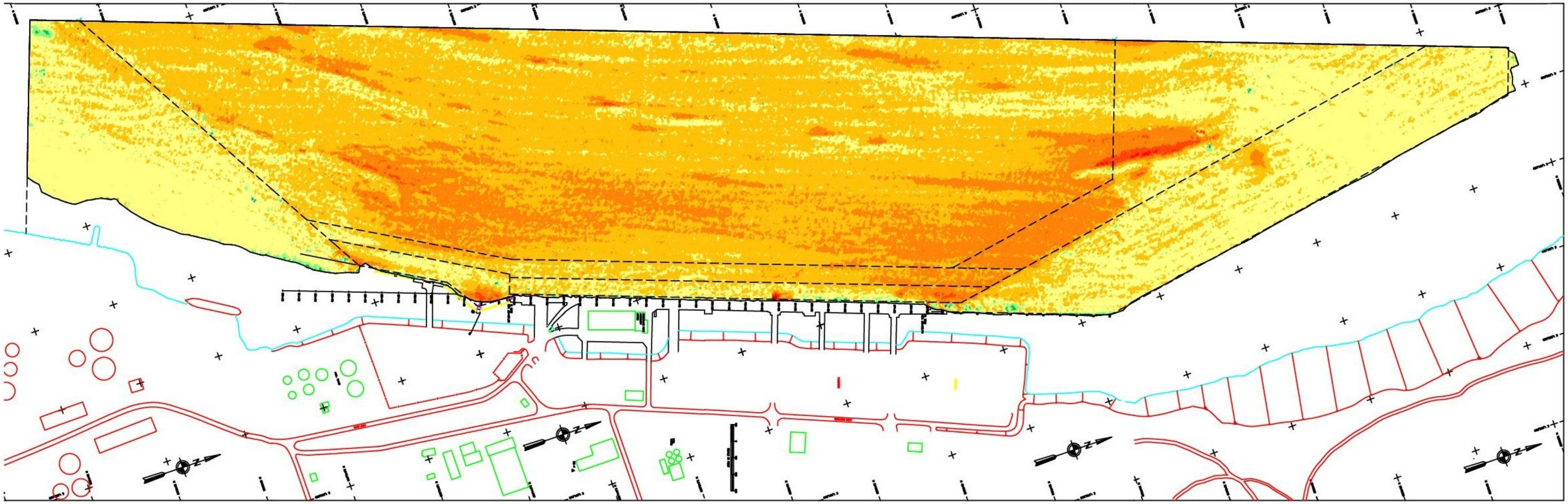
Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	0.00	0.0
-6.00	-5.00	🟪	199.64	0.0
-5.00	-4.00	🟦	4597.64	0.1
-4.00	-3.00	🟦	25343.75	0.3
-3.00	-2.00	🟦	229258.23	2.8
-2.00	-1.00	🟩	1389734.39	16.9
-1.00	0.00	🟩	4348873.64	52.7
0.00	1.00	🟨	1947154.38	23.6
1.00	2.00	🟨	255295.47	3.1
2.00	3.00	🟧	31357.79	0.4
3.00	4.00	🟧	9935.79	0.1
4.00	5.00	🟥	2596.70	0.0
5.00	6.00	🟥	436.28	0.0
6.00	7.00	🟥	161.39	0.0

ANCHORAGE 11-12 MAR 04 vs. 14-15 apr 04

Change Charts

14-15 April VS 29-30 April 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	36.40	0.0
-6.00	-5.00	🟦	126.76	0.0
-5.00	-4.00	🟦	250.45	0.0
-4.00	-3.00	🟦	749.67	0.0
-3.00	-2.00	🟦	2246.60	0.0
-2.00	-1.00	🟩	12701.19	0.1
-1.00	0.00	🟩	73170.68	0.6
0.00	1.00	🟨	3907653.84	32.0
1.00	2.00	🟨	6433299.05	52.7
2.00	3.00	🟧	1721575.00	14.1
3.00	4.00	🟧	48530.25	0.4
4.00	5.00	🟥	3886.75	0.0
5.00	6.00	🟥	381.38	0.0
6.00	7.00	🟥	9.71	0.0

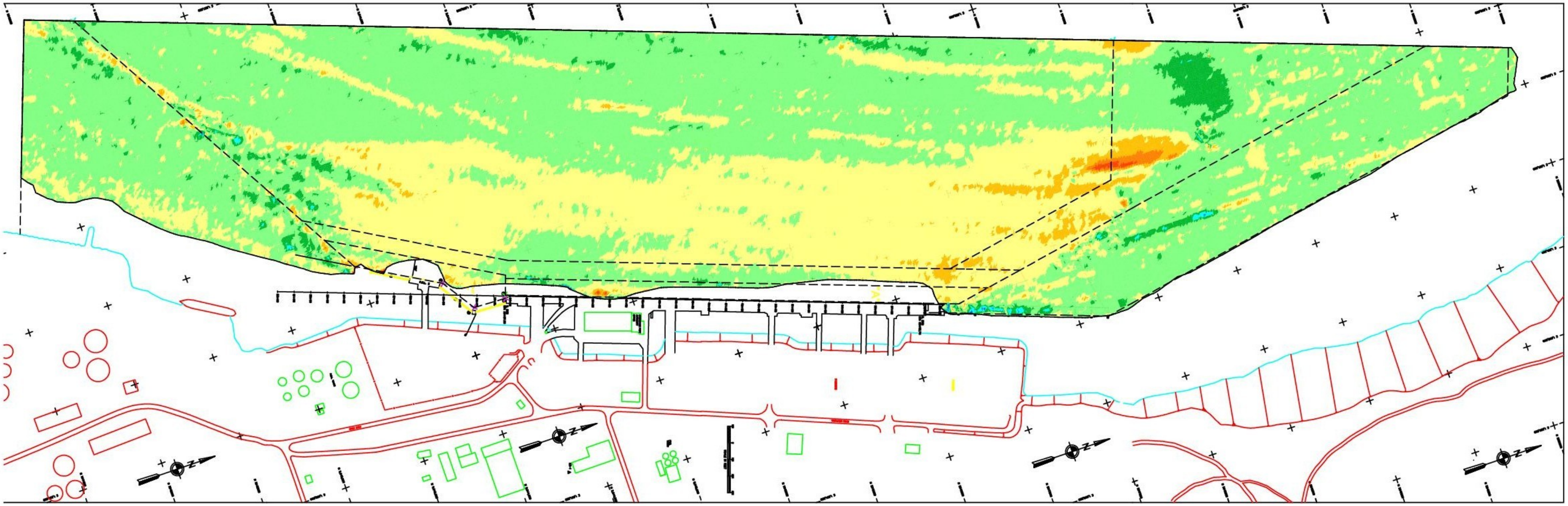


ANCHORAGE, 14-15 APRIL VS. 29-30 APRIL 2004

Change Charts

14-15 April VS 29-30 April 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	0.00	0.0
-6.00	-5.00	🟦	21.89	0.0
-5.00	-4.00	🟦	247.83	0.0
-4.00	-3.00	🟦	1644.74	0.0
-3.00	-2.00	🟦	19473.79	0.2
-2.00	-1.00	🟩	325917.18	2.7
-1.00	0.00	🟩	7045606.49	59.1
0.00	1.00	🟨	4234641.46	35.5
1.00	2.00	🟨	260691.36	2.2
2.00	3.00	🟧	25506.77	0.2
3.00	4.00	🟧	7003.78	0.1
4.00	5.00	🟥	195.95	0.0
5.00	6.00	🟥	143.17	0.0
6.00	7.00	🟫	36.92	0.0



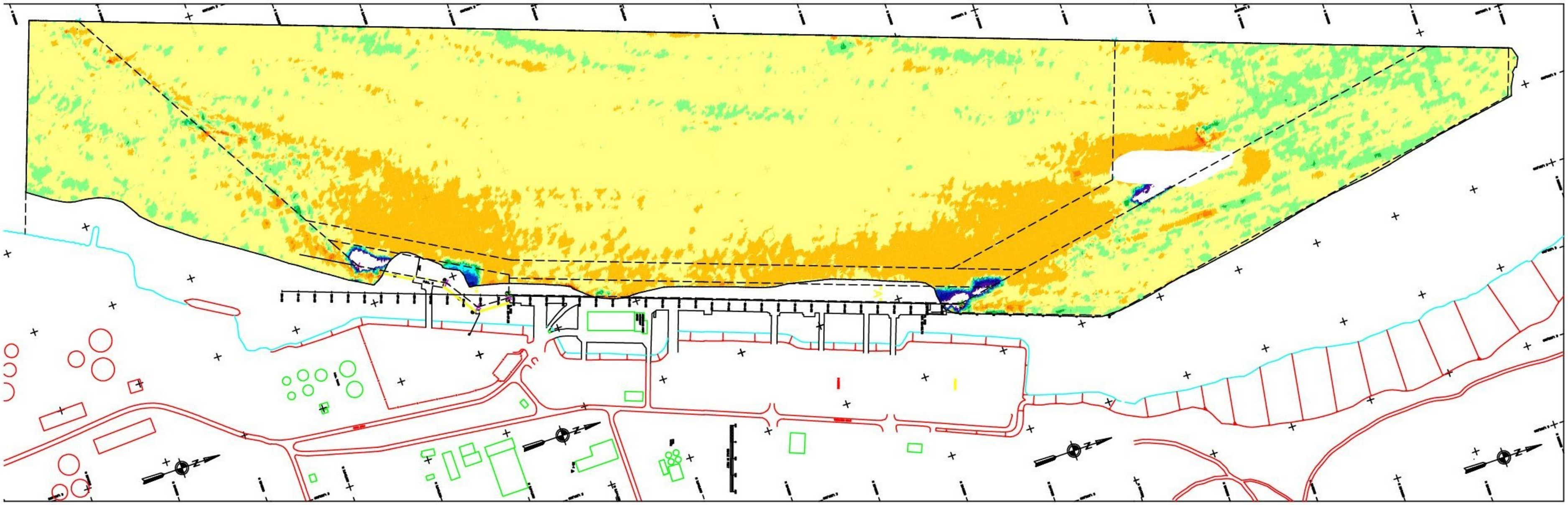
ANCHORAGE, 29-30 APRIL VS. 9 MAY 2004

US Army Corps of Engineers
Alaska District

Change Charts

9 May 2004 VS 19 May 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	10749.56	0.1
-6.00	-5.00	🟦	11851.55	0.1
-5.00	-4.00	🟦	11724.71	0.1
-4.00	-3.00	🟦	9237.91	0.1
-3.00	-2.00	🟦	14498.09	0.1
-2.00	-1.00	🟩	30031.60	0.3
-1.00	0.00	🟩	981111.99	8.3
0.00	1.00	🟨	8659629.19	73.7
1.00	2.00	🟨	1990126.68	16.9
2.00	3.00	🟧	30854.89	0.3
3.00	4.00	🟧	2772.93	0.0
4.00	5.00	🟥	628.83	0.0
5.00	6.00	🟥	161.35	0.0
6.00	7.00	🟥	50.41	0.0

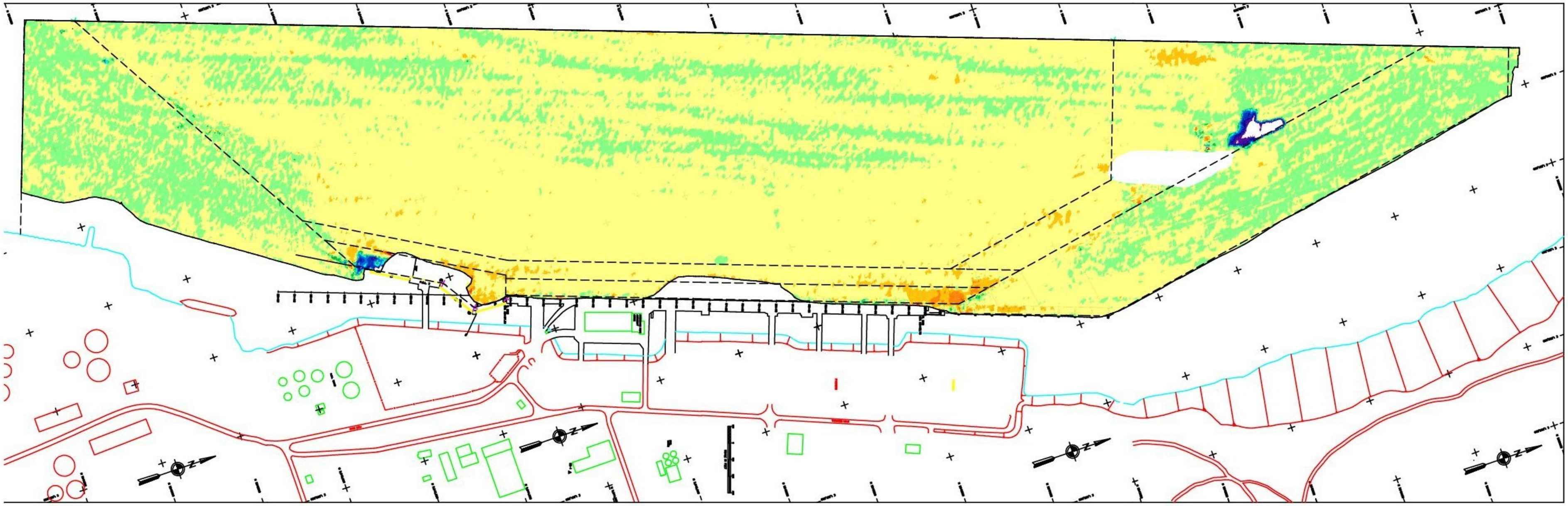


ANCHORAGE, 9 MAY 04 VS. 19 MAY 2004

Change Charts

19 May 2004 VS 25-26 May 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	7071.84	0.1
-6.00	-5.00	🟦	6616.24	0.1
-5.00	-4.00	🟦	9928.89	0.1
-4.00	-3.00	🟦	9931.03	0.1
-3.00	-2.00	🟦	9249.62	0.1
-2.00	-1.00	🟩	18917.23	0.2
-1.00	0.00	🟩	2836643.04	23.8
0.00	1.00	🟨	8790171.41	73.8
1.00	2.00	🟧	195629.70	1.6
2.00	3.00	🟧	16708.48	0.1
3.00	4.00	🟧	1306.22	0.0
4.00	5.00	🟥	359.45	0.0
5.00	6.00	🟥	175.24	0.0
6.00	7.00	🟥	115.49	0.0

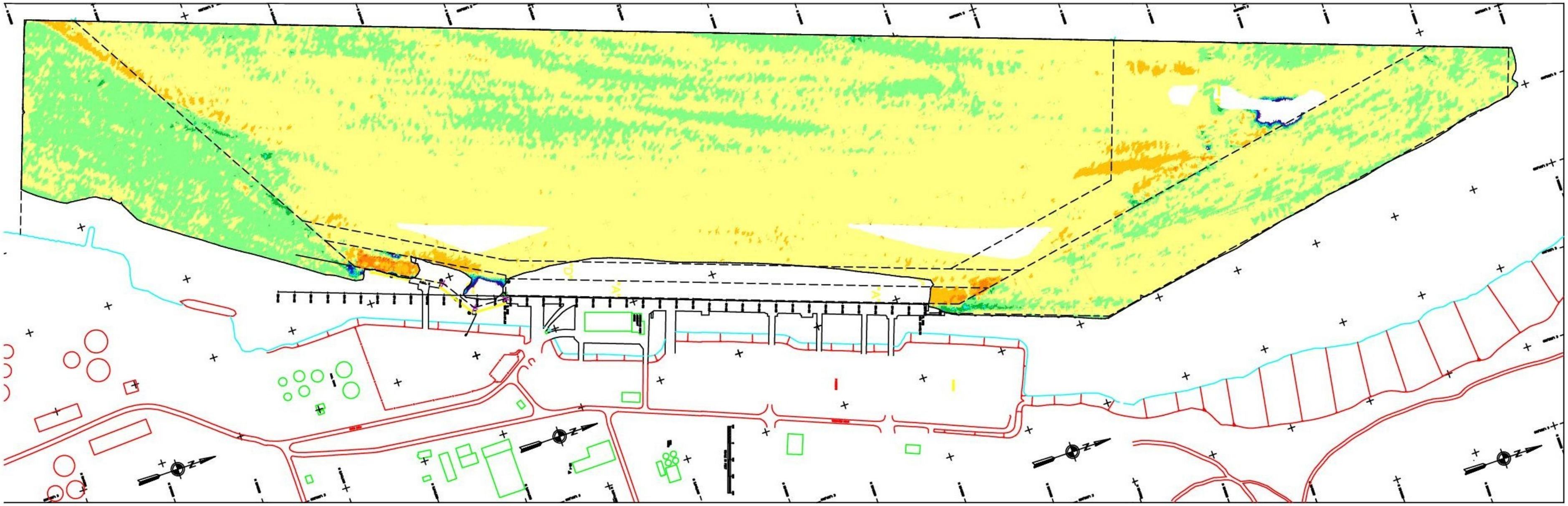


ANCHORAGE, 19 MAY 2004 VS. 25-26 MAY 2004

Change Charts

25-26 May 2004 VS 2 June 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	3469.04	0.0
-6.00	-5.00	🟦	4167.18	0.0
-5.00	-4.00	🟦	4235.76	0.0
-4.00	-3.00	🟦	4553.17	0.0
-3.00	-2.00	🟦	9131.62	0.1
-2.00	-1.00	🟩	37171.04	0.3
-1.00	0.00	🟩	2556318.17	22.7
0.00	1.00	🟨	8369339.28	74.2
1.00	2.00	🟨	267075.70	2.4
2.00	3.00	🟧	23472.93	0.2
3.00	4.00	🟧	948.89	0.0
4.00	5.00	🟥	7.50	0.0
5.00	6.00	🟥	0.00	0.0
6.00	7.00	🟥	0.00	0.0

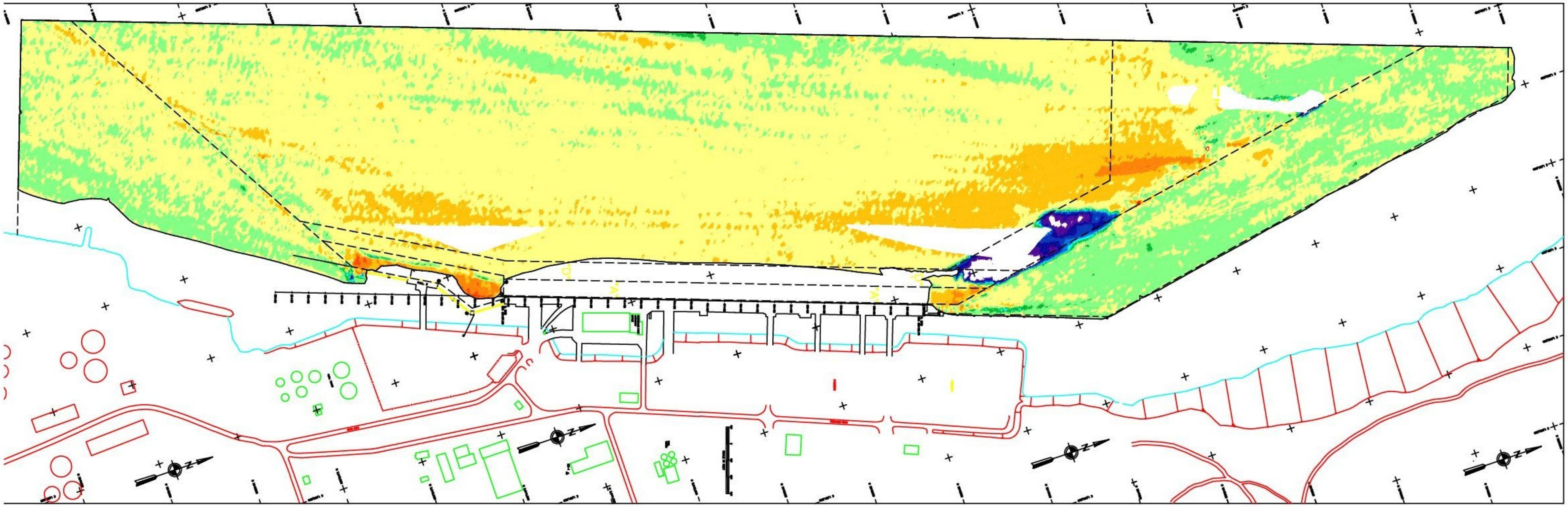


ANCHORAGE, 25-26 MAY 04 VS. 2 JUNE 2004

Change Charts

2 June 2004 VS 9 June 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	26214.93	0.2
-6.00	-5.00	🟦	28662.35	0.3
-5.00	-4.00	🟦	26760.74	0.2
-4.00	-3.00	🟦	14364.77	0.1
-3.00	-2.00	🟦	14515.03	0.1
-2.00	-1.00	🟩	46694.46	0.4
-1.00	0.00	🟩	2430987.95	21.6
0.00	1.00	🟨	7627631.74	67.7
1.00	2.00	🟨	973395.48	8.6
2.00	3.00	🟧	76740.69	0.7
3.00	4.00	🟧	5877.31	0.1
4.00	5.00	🟥	297.36	0.0
5.00	6.00	🟥	121.21	0.0
6.00	7.00	🟥	36.53	0.0

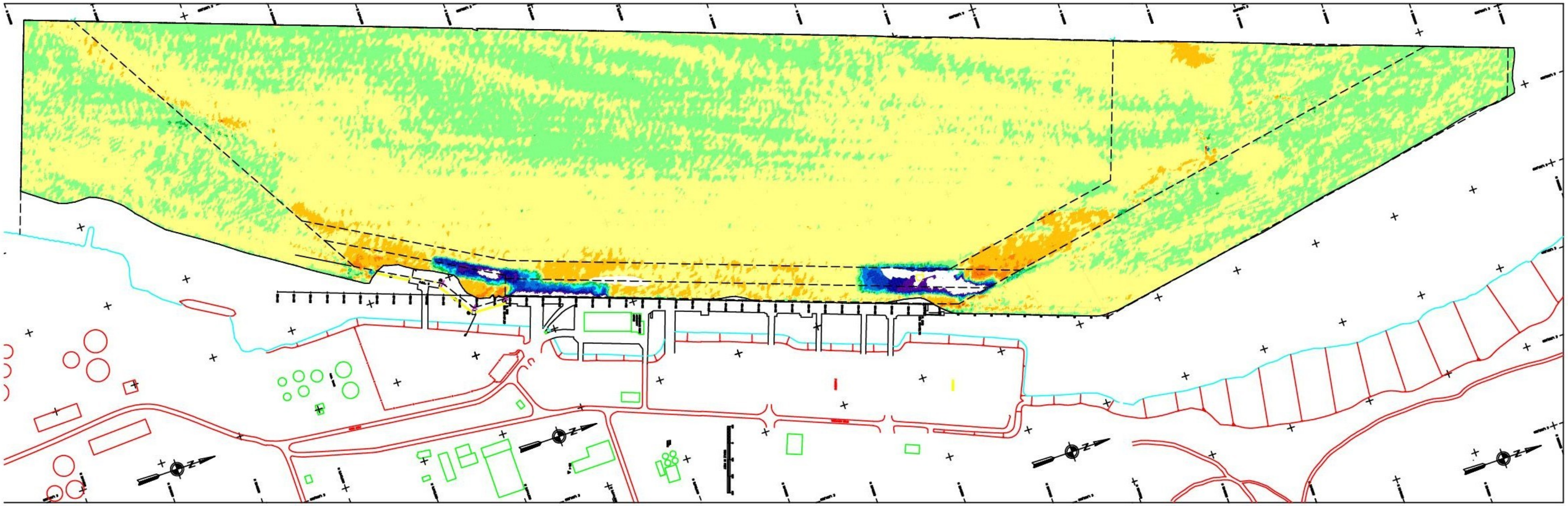


ANCHORAGE, 2 JUNE 04 VS. 9 JUNE 2004

Change Charts

9 JUNE 2004 VS 16 JUNE 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	24885.36	0.2
-6.00	-5.00	🟦	27166.22	0.2
-5.00	-4.00	🟦	32962.94	0.3
-4.00	-3.00	🟦	35270.05	0.3
-3.00	-2.00	🟦	26979.19	0.2
-2.00	-1.00	🟩	35358.87	0.3
-1.00	0.00	🟩	3505472.93	29.1
0.00	1.00	🟨	7859199.88	65.3
1.00	2.00	🟨	449807.84	3.7
2.00	3.00	🟧	30578.72	0.3
3.00	4.00	🟧	1114.90	0.0
4.00	5.00	🟥	111.30	0.0
5.00	6.00	🟥	78.00	0.0
6.00	7.00	🟥	5.00	0.0

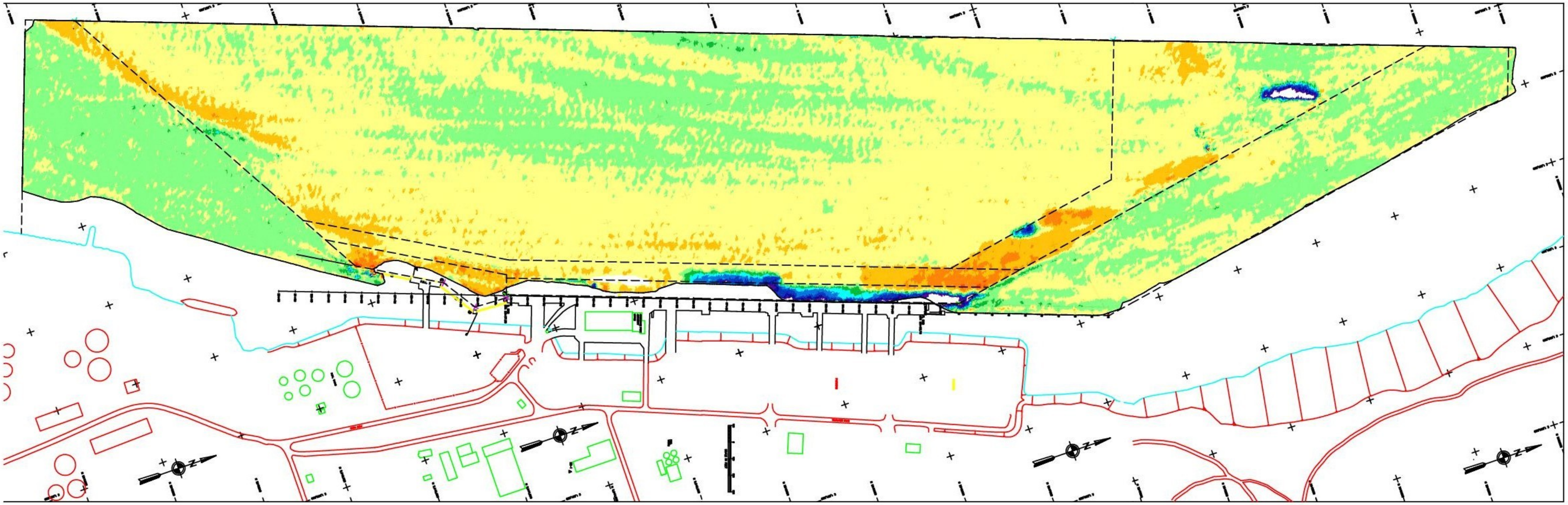


ANCHORAGE, 9 JUNE 04 VS. 16 JUNE 2004

Change Charts

16 June 2004 VS 23 June 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	12703.54	0.1
-6.00	-5.00	🟦	19064.24	0.2
-5.00	-4.00	🟦	31275.75	0.3
-4.00	-3.00	🟦	37457.49	0.3
-3.00	-2.00	🟦	36862.15	0.3
-2.00	-1.00	🟩	66299.27	0.6
-1.00	0.00	🟩	3769153.23	31.5
0.00	1.00	🟨	7173035.54	60.0
1.00	2.00	🟨	696479.19	5.8
2.00	3.00	🟧	101504.58	0.8
3.00	4.00	🟧	3946.95	0.0
4.00	5.00	🟥	526.54	0.0
5.00	6.00	🟥	182.50	0.0
6.00	7.00	🟥	124.40	0.0

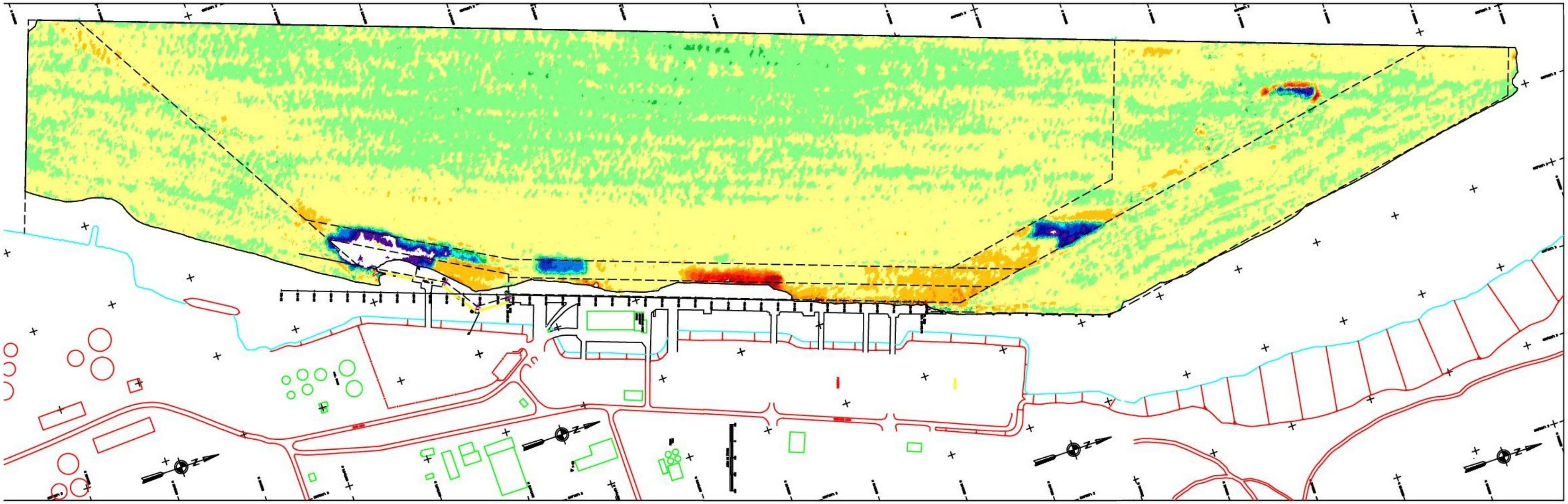


ANCHORAGE, 16 JUNE 04 VS. 23 JUNE 2004

Change Charts

23 JUNE 2004 VS 30 JUNE 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	25791.23	0.2
-6.00	-5.00	🟦	27972.60	0.2
-5.00	-4.00	🟦	28633.85	0.2
-4.00	-3.00	🟦	37009.91	0.3
-3.00	-2.00	🟦	26869.22	0.2
-2.00	-1.00	🟩	47449.17	0.4
-1.00	0.00	🟩	4327171.36	36.0
0.00	1.00	🟨	7048834.14	58.7
1.00	2.00	🟧	354159.22	2.9
2.00	3.00	🟧	34374.37	0.3
3.00	4.00	🟥	18917.40	0.2
4.00	5.00	🟥	17595.67	0.1
5.00	6.00	🟥	9704.27	0.1
6.00	7.00	🟥	2469.46	0.0

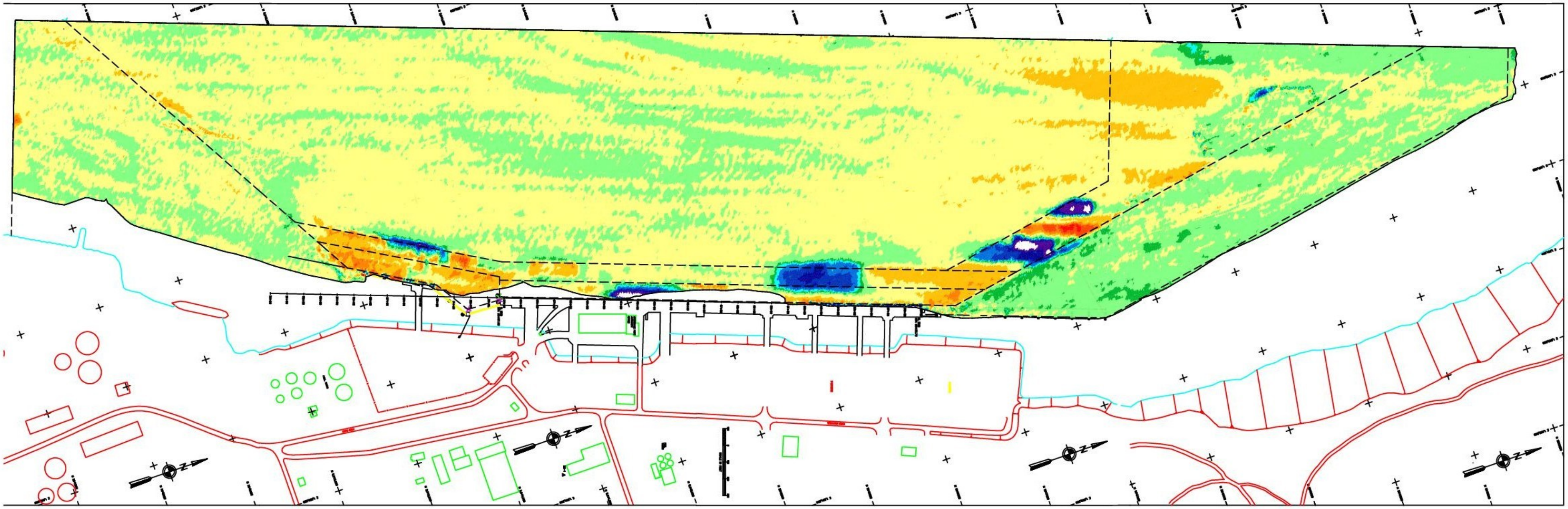


ANCHORAGE, 23 JUNE 04 VS. 30 JUNE 2004

Change Charts

30 JUNE 2004 VS 7 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	21952.36	0.2
-6.00	-5.00	🟦	32580.57	0.3
-5.00	-4.00	🟦	61784.08	0.5
-4.00	-3.00	🟦	63473.57	0.5
-3.00	-2.00	🟦	47774.07	0.4
-2.00	-1.00	🟩	166497.51	1.4
-1.00	0.00	🟩	3612476.96	29.8
0.00	1.00	🟨	7398313.15	61.0
1.00	2.00	🟨	640714.97	5.3
2.00	3.00	🟧	67496.41	0.6
3.00	4.00	🟧	16687.71	0.1
4.00	5.00	🟥	3353.41	0.0
5.00	6.00	🟥	135.33	0.0
6.00	7.00	🟥	45.13	0.0

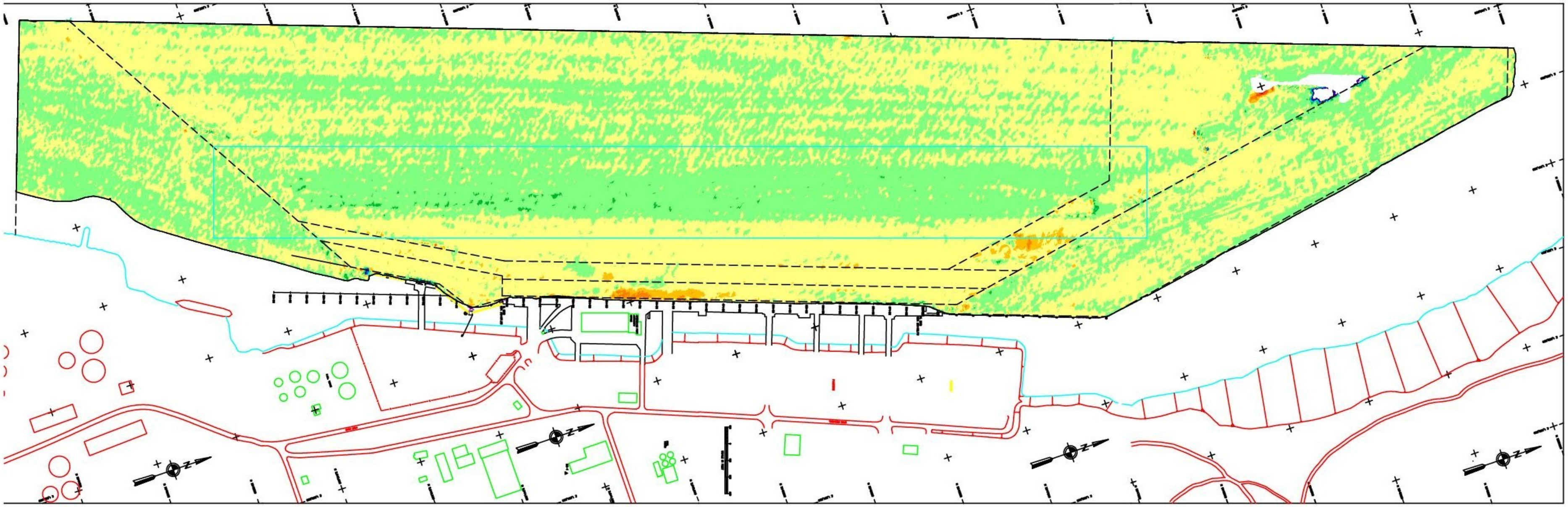


ANCHORAGE, 30 JUNE 04 VS. 7 JULY 2004

Change Charts

7 JULY 2004 VS 9 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	1326.21	0.0
-6.00	-5.00	🟦	1681.88	0.0
-5.00	-4.00	🟦	1601.03	0.0
-4.00	-3.00	🟦	1820.91	0.0
-3.00	-2.00	🟦	3511.99	0.0
-2.00	-1.00	🟩	32732.57	0.3
-1.00	0.00	🟩	5229543.01	43.0
0.00	1.00	🟨	6786414.73	55.7
1.00	2.00	🟧	99039.16	0.8
2.00	3.00	🟧	14546.22	0.1
3.00	4.00	🟥	1322.86	0.0
4.00	5.00	🟥	267.45	0.0
5.00	6.00	🟥	89.42	0.0
6.00	7.00	🟥	0.53	0.0

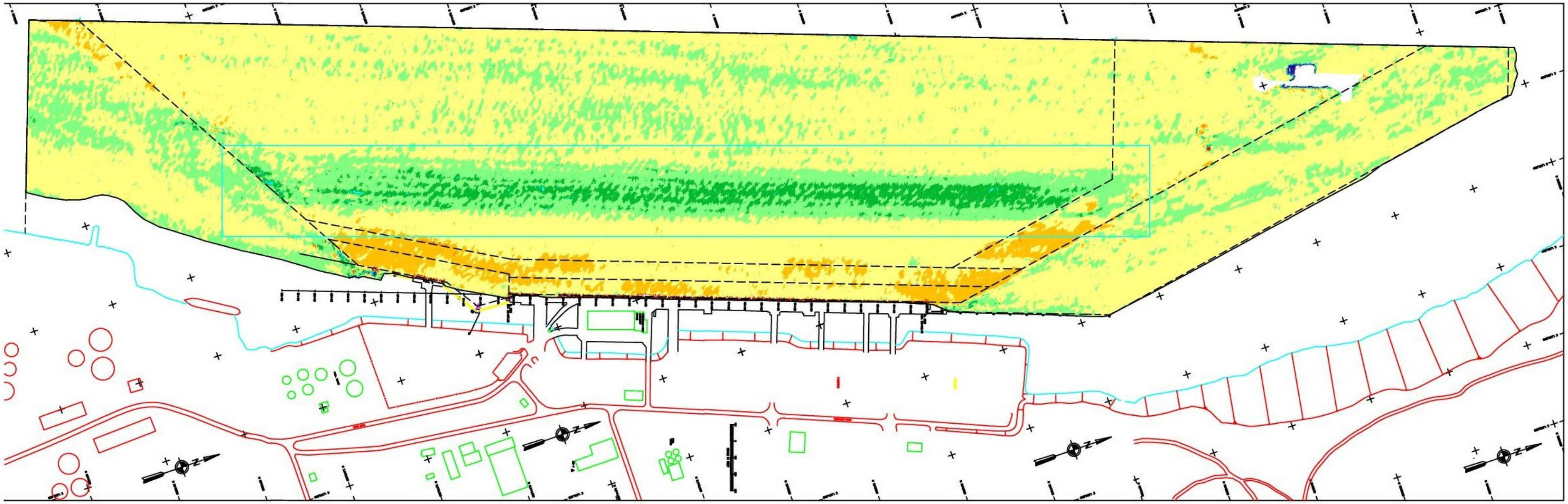


ANCHORAGE, 7 JULY 04 VS. 9 JULY 2004

Change Charts

9 JULY 2004 VS 14 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	1547.23	0.0
-6.00	-5.00	🟦	1592.87	0.0
-5.00	-4.00	🟦	1816.20	0.0
-4.00	-3.00	🟦	1814.13	0.0
-3.00	-2.00	🟦	7852.36	0.1
-2.00	-1.00	🟩	416205.03	3.4
-1.00	0.00	🟩	2651714.61	21.8
0.00	1.00	🟨	8504713.71	70.0
1.00	2.00	🟨	526256.99	4.3
2.00	3.00	🟧	9148.26	0.1
3.00	4.00	🟧	4248.28	0.0
4.00	5.00	🟥	4891.48	0.0
5.00	6.00	🟥	4825.08	0.0
6.00	7.00	🟥	4560.45	0.0

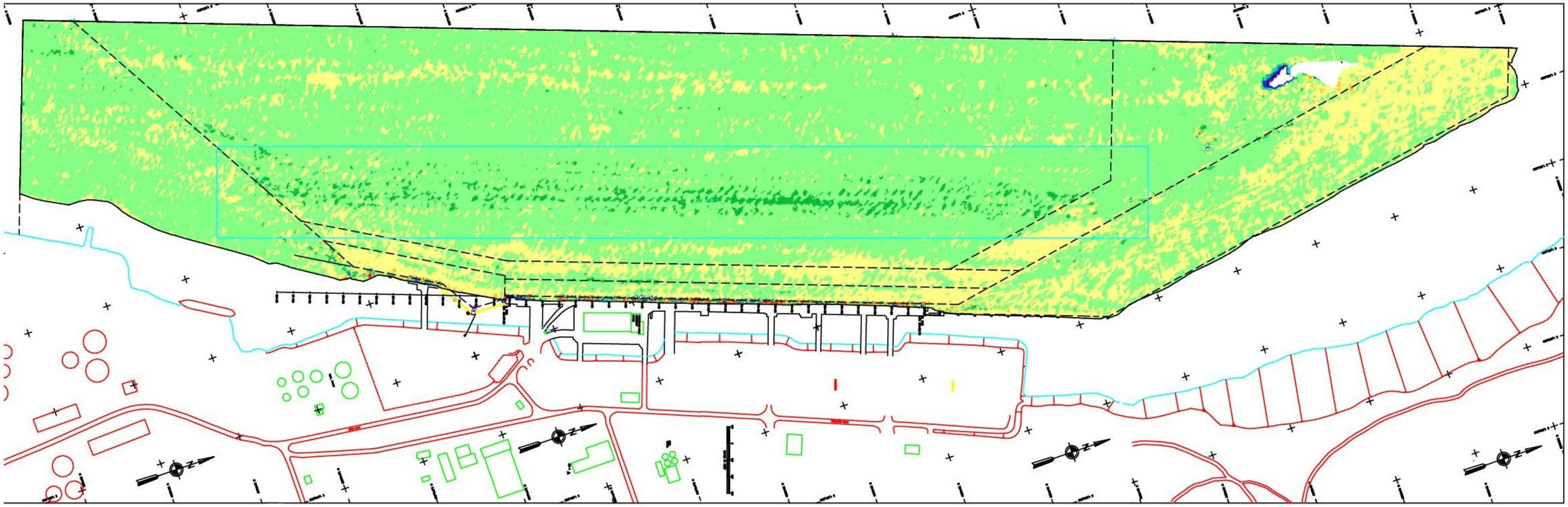


ANCHORAGE, 9 JULY 04 VS. 14 JULY 2004

Change Charts

14 JULY 2004 VS 16 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	3679.85	0.0
-6.00	-5.00	🟦	4328.21	0.0
-5.00	-4.00	🟦	5800.78	0.0
-4.00	-3.00	🟦	7371.03	0.1
-3.00	-2.00	🟦	12537.72	0.1
-2.00	-1.00	🟩	222057.76	1.8
-1.00	0.00	🟩	9197913.63	75.0
0.00	1.00	🟨	2759142.91	22.5
1.00	2.00	🟨	25169.91	0.2
2.00	3.00	🟧	8938.63	0.1
3.00	4.00	🟧	5711.07	0.0
4.00	5.00	🟥	3887.89	0.0
5.00	6.00	🟥	2322.85	0.0
6.00	7.00	🟥	1266.80	0.0

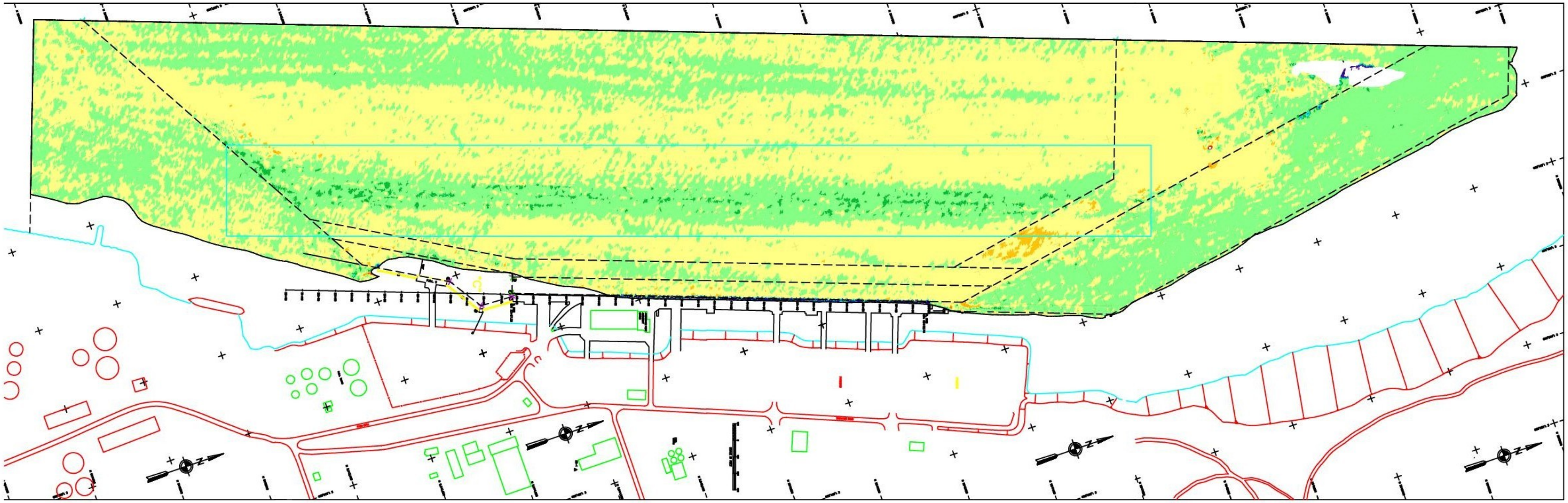


ANCHORAGE, 14 JULY 04 VS. 16 JULY 2004

Change Charts

16 JULY 2004 VS 19 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	5061.82	0.0
-6.00	-5.00	🟦	4970.45	0.0
-5.00	-4.00	🟦	4368.59	0.0
-4.00	-3.00	🟦	4257.71	0.0
-3.00	-2.00	🟦	6644.76	0.1
-2.00	-1.00	🟩	97279.49	0.8
-1.00	0.00	🟩	4873081.89	40.3
0.00	1.00	🟨	7029455.15	58.2
1.00	2.00	🟨	59638.90	0.5
2.00	3.00	🟧	1703.75	0.0
3.00	4.00	🟧	260.72	0.0
4.00	5.00	🟥	193.25	0.0
5.00	6.00	🟥	110.78	0.0
6.00	7.00	🟥	100.91	0.0

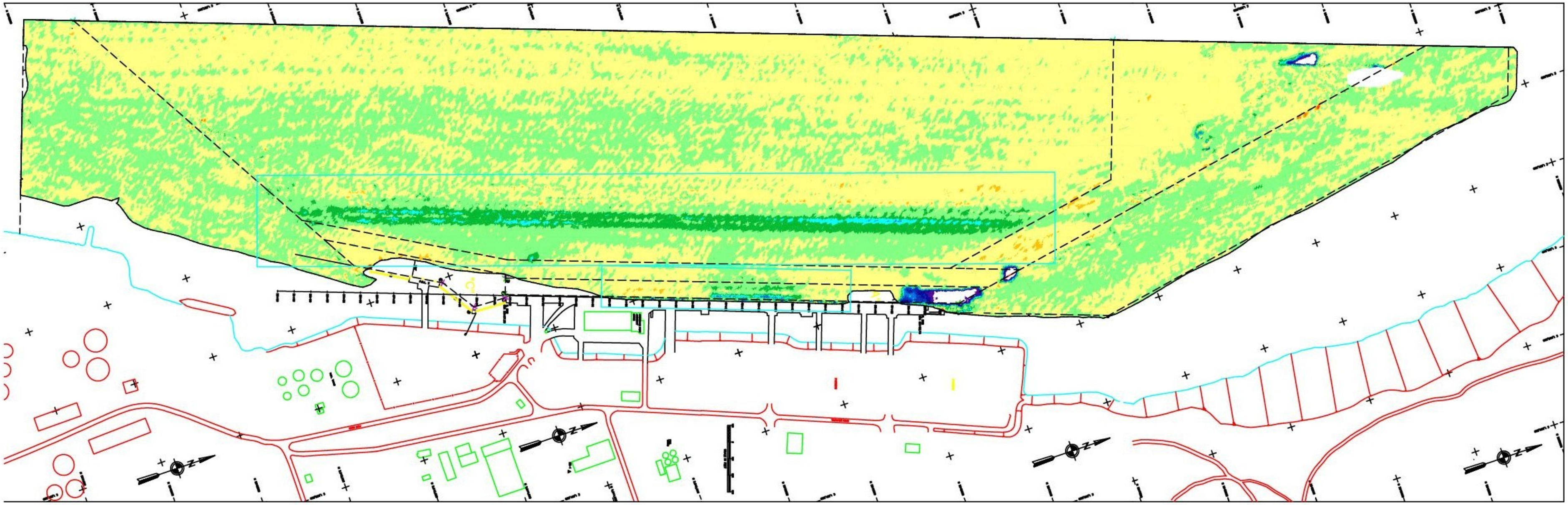


ANCHORAGE, 16 JULY 04 VS. 19 JULY 2004

Change Charts

19 JULY 2004 VS 21 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	7163.56	0.1
-6.00	-5.00	🟦	8484.14	0.1
-5.00	-4.00	🟦	10380.85	0.1
-4.00	-3.00	🟦	12429.03	0.1
-3.00	-2.00	🟦	61901.56	0.5
-2.00	-1.00	🟩	378837.66	3.1
-1.00	0.00	🟩	4478065.35	37.1
0.00	1.00	🟨	7071130.67	58.6
1.00	2.00	🟨	37468.64	0.3
2.00	3.00	🟧	1964.57	0.0
3.00	4.00	🟧	682.57	0.0
4.00	5.00	🟥	321.63	0.0
5.00	6.00	🟥	152.01	0.0
6.00	7.00	🟥	87.39	0.0

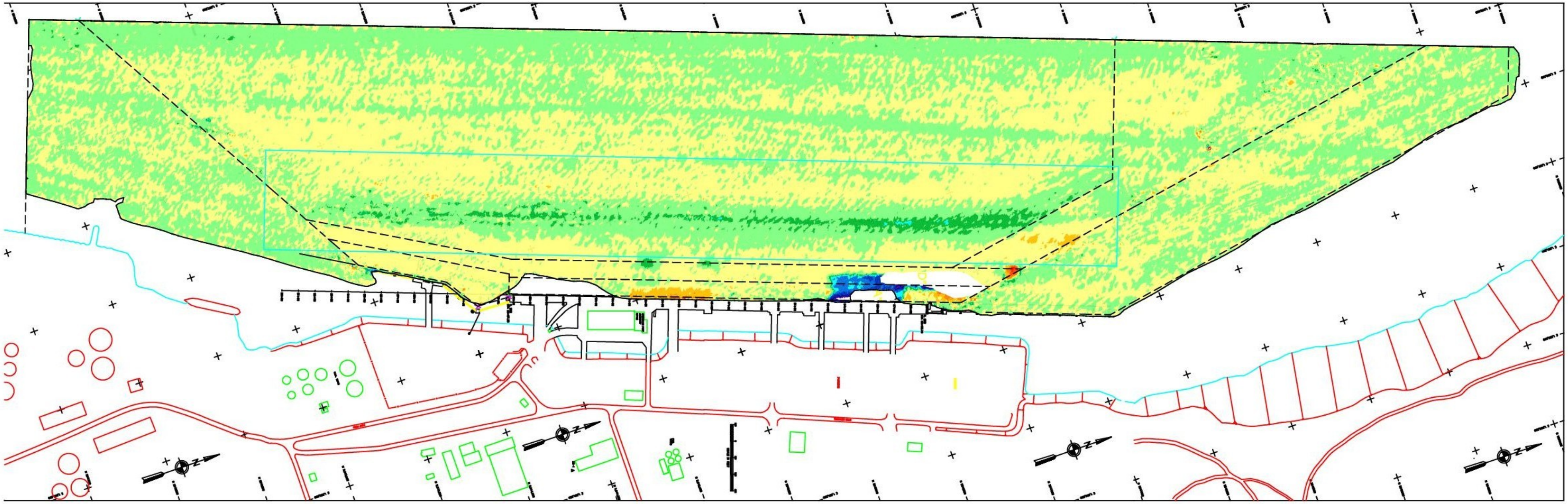


ANCHORAGE, 19 JULY 04 VS. 21 JULY 2004

Change Charts

21 JULY 2004 VS 23 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	1720.19	0.0
-6.00	-5.00	🟦	2978.78	0.0
-5.00	-4.00	🟦	9997.10	0.1
-4.00	-3.00	🟦	20254.82	0.2
-3.00	-2.00	🟦	15105.40	0.1
-2.00	-1.00	🟩	181596.66	1.5
-1.00	0.00	🟩	5637261.89	46.4
0.00	1.00	🟨	6209824.16	51.1
1.00	2.00	🟧	61760.24	0.5
2.00	3.00	🟧	7800.36	0.1
3.00	4.00	🟥	1928.42	0.0
4.00	5.00	🟥	499.61	0.0
5.00	6.00	🟥	76.15	0.0
6.00	7.00	🟥	40.28	-0.0

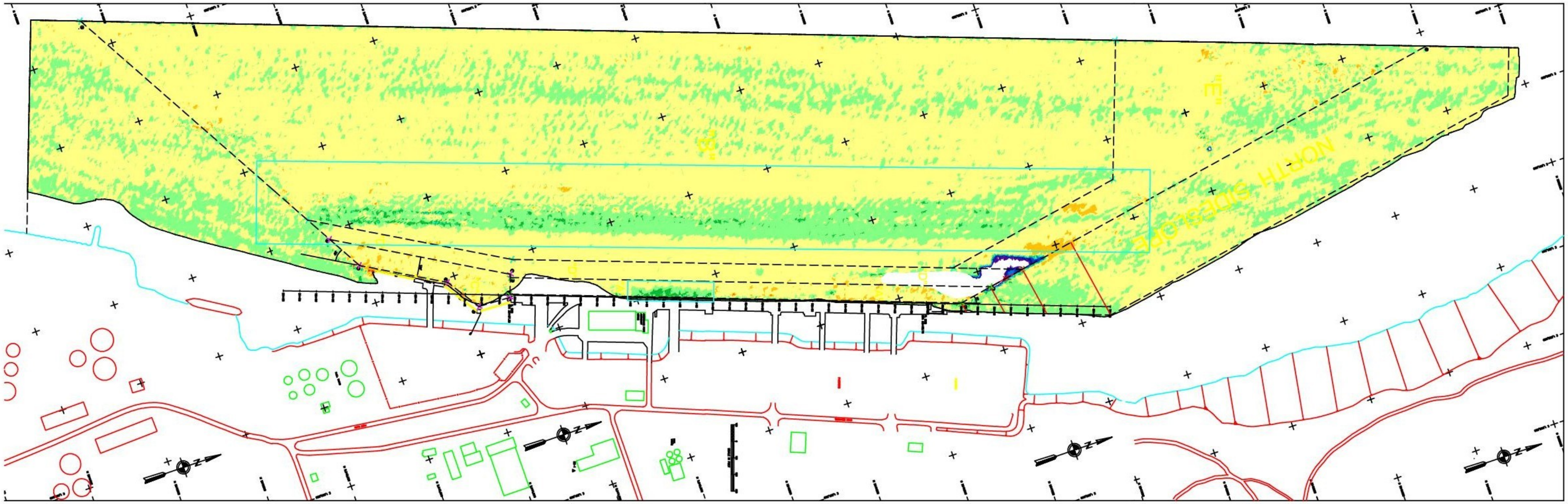


ANCHORAGE, 21 JULY 04 VS. 23 JULY 2004

Change Charts

23 JULY 2004 VS 26 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	5264.94	0.0
-6.00	-5.00	🟦	3525.46	0.0
-5.00	-4.00	🟦	4688.01	0.0
-4.00	-3.00	🟦	5061.43	0.0
-3.00	-2.00	🟦	6946.72	0.1
-2.00	-1.00	🟩	64765.96	0.5
-1.00	0.00	🟩	2585831.28	21.3
0.00	1.00	🟨	9375186.60	77.2
1.00	2.00	🟧	96742.77	0.8
2.00	3.00	🟧	2531.74	0.0
3.00	4.00	🟧	496.76	0.0
4.00	5.00	🟥	222.75	0.0
5.00	6.00	🟥	123.67	0.0
6.00	7.00	🟥	89.35	0.0

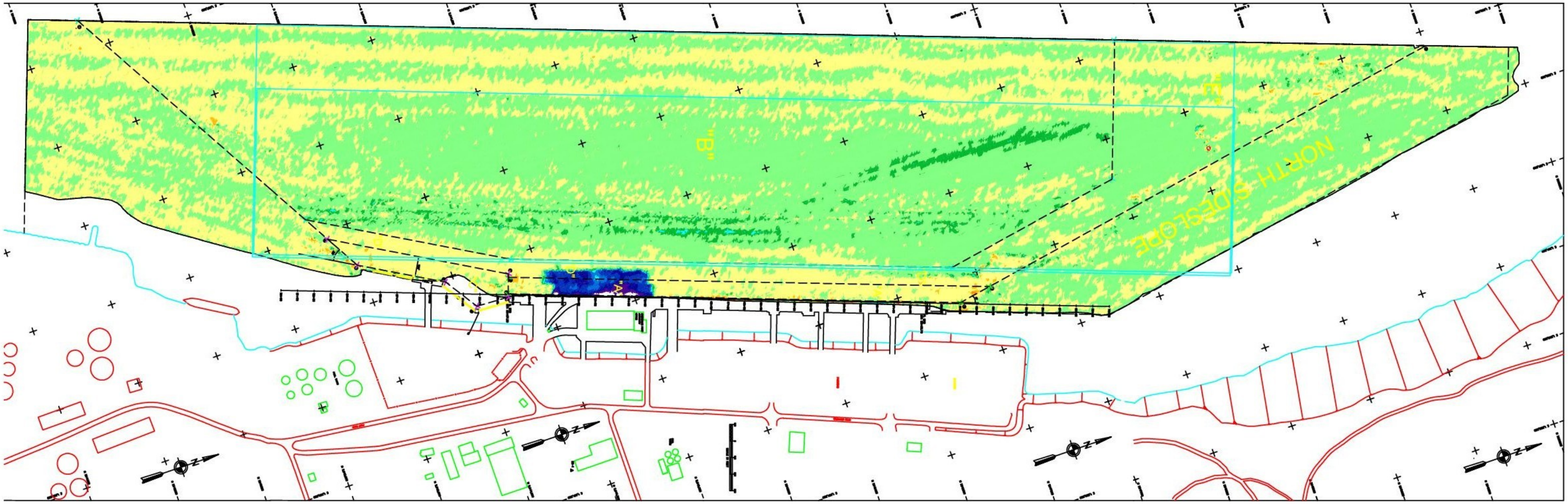


ANCHORAGE, 23 JULY 04 VS. 26 JULY 2004

Change Charts

26 JULY 2004 VS 28 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	10080.30	0.1
-6.00	-5.00	🟦	26018.68	0.2
-5.00	-4.00	🟦	39817.92	0.3
-4.00	-3.00	🟦	15683.63	0.1
-3.00	-2.00	🟦	12832.18	0.1
-2.00	-1.00	🟩	232169.29	1.9
-1.00	0.00	🟩	7153039.70	58.6
0.00	1.00	🟨	4671667.51	38.3
1.00	2.00	🟧	34464.92	0.3
2.00	3.00	🟧	3560.22	0.0
3.00	4.00	🟧	1163.75	0.0
4.00	5.00	🟥	519.86	0.0
5.00	6.00	🟥	152.98	0.0
6.00	7.00	🟥	90.21	0.0

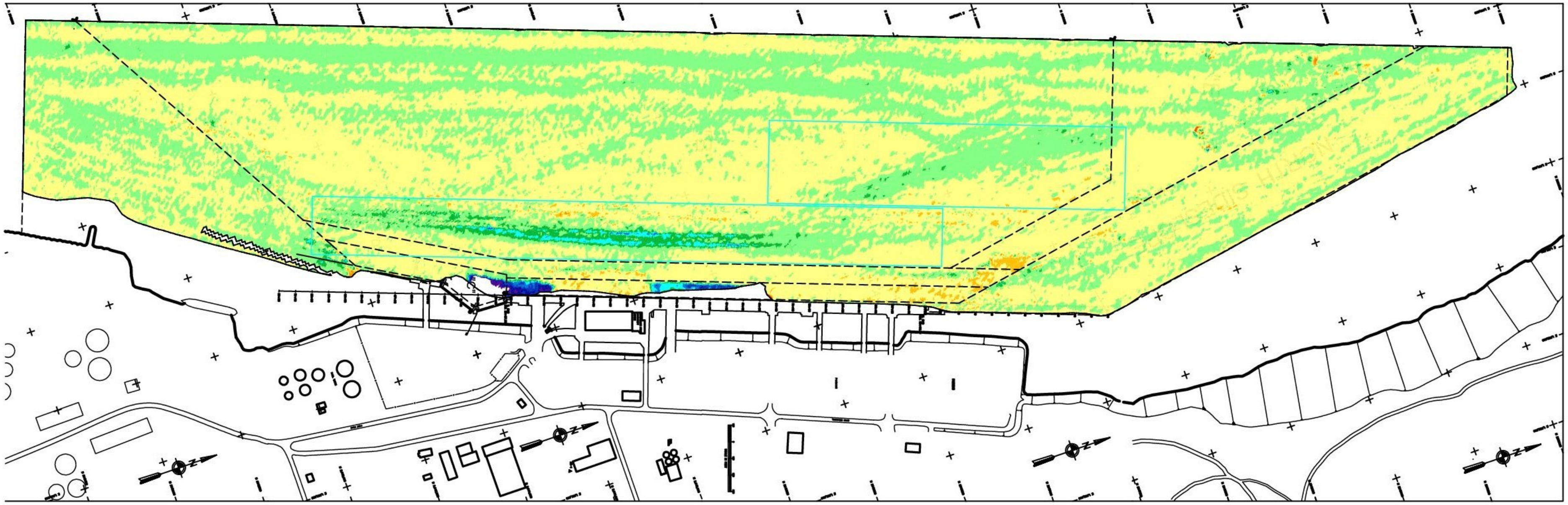


ANCHORAGE, 26 JULY 04 VS. 28 JULY 2004

Change Charts

28 JULY 2004 VS 30 JULY 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	4789.85	0.0
-6.00	-5.00	🟦	8046.10	0.1
-5.00	-4.00	🟦	12130.76	0.1
-4.00	-3.00	🟦	13118.91	0.1
-3.00	-2.00	🟦	53609.19	0.4
-2.00	-1.00	🟩	161073.33	1.3
-1.00	0.00	🟩	4472944.35	37.0
0.00	1.00	🟨	7259072.50	60.1
1.00	2.00	🟨	94980.43	0.8
2.00	3.00	🟧	3382.97	0.0
3.00	4.00	🟧	826.85	0.0
4.00	5.00	🟥	375.35	0.0
5.00	6.00	🟥	89.05	0.0
6.00	7.00	🟥	79.74	0.0

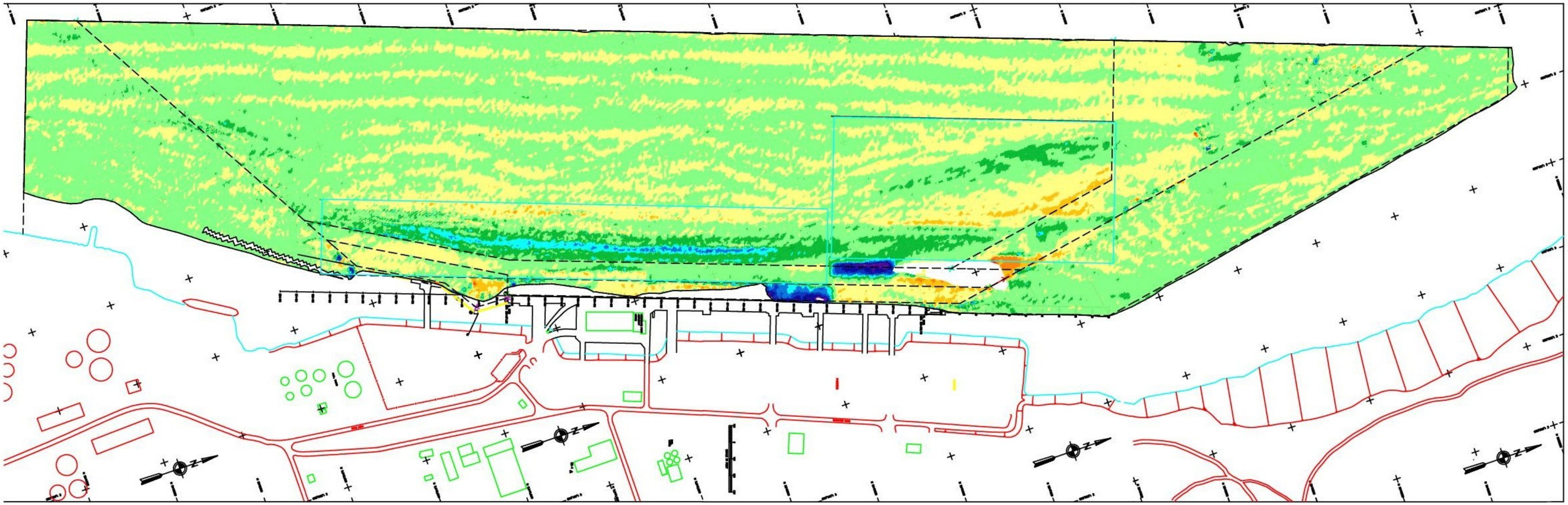


ANCHORAGE, 28 JULY 04 VS. 30 JULY 2004

Change Charts

30 July 2004 VS 2 August 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	8973.71	0.1
-6.00	-5.00	🟦	17989.66	0.1
-5.00	-4.00	🟦	18084.97	0.2
-4.00	-3.00	🟦	36781.52	0.3
-3.00	-2.00	🟦	114124.56	0.9
-2.00	-1.00	🟩	558360.29	4.6
-1.00	0.00	🟩	7382328.57	61.3
0.00	1.00	🟨	3764651.33	31.3
1.00	2.00	🟧	120900.99	1.0
2.00	3.00	🟧	15742.01	0.1
3.00	4.00	🟧	1364.37	0.0
4.00	5.00	🟥	261.31	0.0
5.00	6.00	🟥	111.26	0.0
6.00	7.00	🟥	38.24	0.0

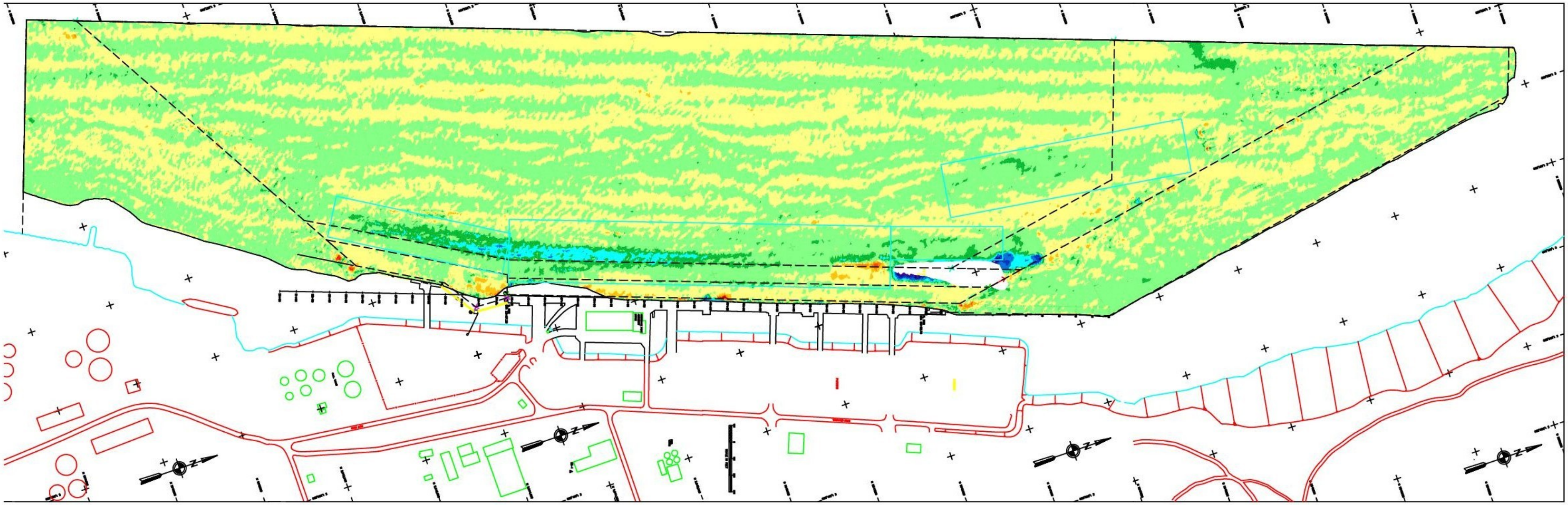


ANCHORAGE, 30 JULY 04 VS. 2 AUG 2004

Change Charts

2 AUG VS 4 AUG 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	1225.30	0.0
-6.00	-5.00	🟦	2542.99	0.0
-5.00	-4.00	🟦	6371.35	0.1
-4.00	-3.00	🟦	14814.10	0.1
-3.00	-2.00	🟦	95363.53	0.8
-2.00	-1.00	🟩	292134.79	2.4
-1.00	0.00	🟩	6359860.24	52.5
0.00	1.00	🟨	5282229.31	43.6
1.00	2.00	🟨	59647.36	0.5
2.00	3.00	🟧	7357.89	0.1
3.00	4.00	🟧	2013.87	0.0
4.00	5.00	🟥	685.37	0.0
5.00	6.00	🟥	312.71	0.0
6.00	7.00	🟥	112.05	0.0

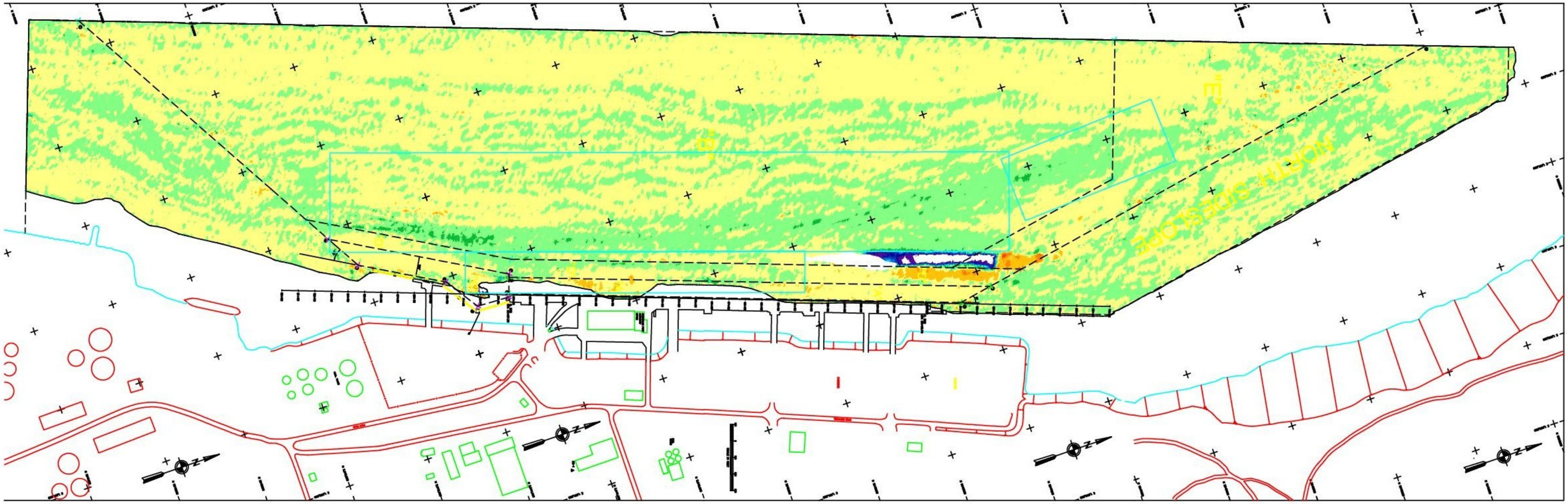


ANCHORAGE, 2 AUG VS. 4 AUG 2004

Change Charts

4 AUG VS 6 AUG 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	9922.92	0.1
-6.00	-5.00	🟦	7773.94	0.1
-5.00	-4.00	🟦	7097.91	0.1
-4.00	-3.00	🟦	6690.06	0.1
-3.00	-2.00	🟦	7116.77	0.1
-2.00	-1.00	🟩	61220.26	0.5
-1.00	0.00	🟩	4000198.18	33.1
0.00	1.00	🟨	7857844.33	65.1
1.00	2.00	🟧	98654.20	0.8
2.00	3.00	🟧	9498.75	0.1
3.00	4.00	🟧	1030.81	0.0
4.00	5.00	🟥	226.63	0.0
5.00	6.00	🟥	111.52	0.0
6.00	7.00	🟥	27.50	0.0

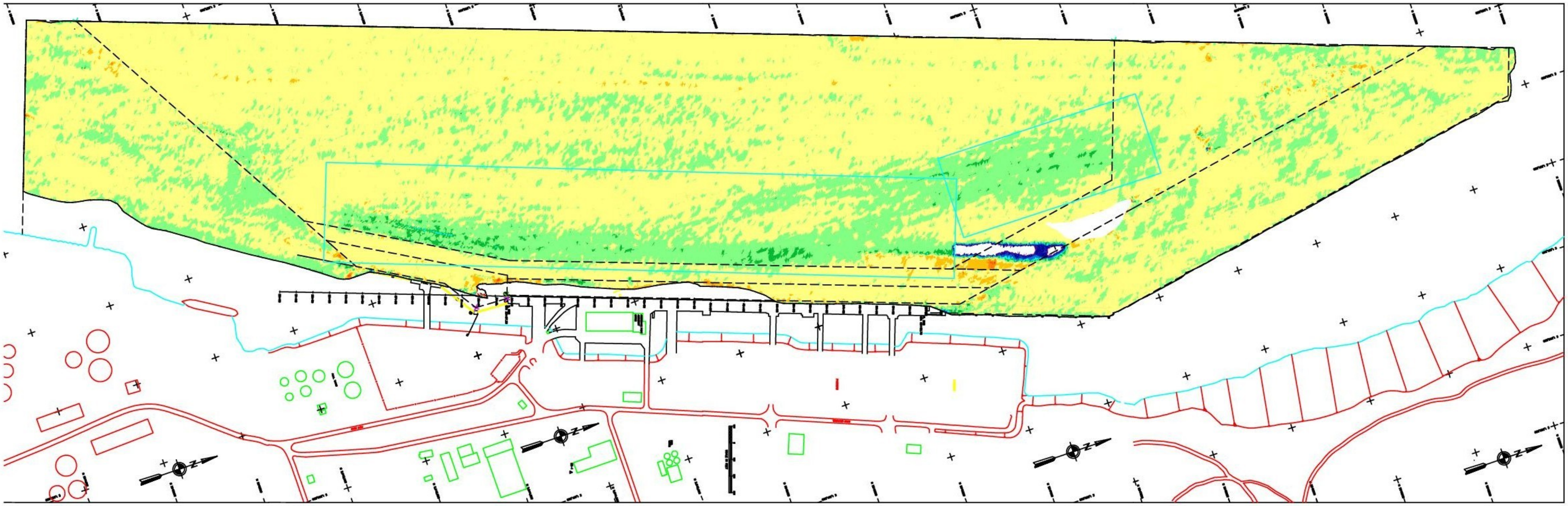


ANCHORAGE, 4 AUG VS. 6 AUG 2004

Change Charts

6 AUG VS 9 AUG 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	5231.96	0.0
-6.00	-5.00	🟦	9423.99	0.1
-5.00	-4.00	🟦	5415.87	0.0
-4.00	-3.00	🟦	6725.22	0.1
-3.00	-2.00	🟦	9763.05	0.1
-2.00	-1.00	🟩	84696.73	0.7
-1.00	0.00	🟩	2711716.82	22.6
0.00	1.00	🟨	9042794.75	75.4
1.00	2.00	🟧	109755.42	0.9
2.00	3.00	🟧	7121.81	0.1
3.00	4.00	🟧	968.59	0.0
4.00	5.00	🟥	211.98	0.0
5.00	6.00	🟥	120.89	0.0
6.00	7.00	🟥	205.86	0.0

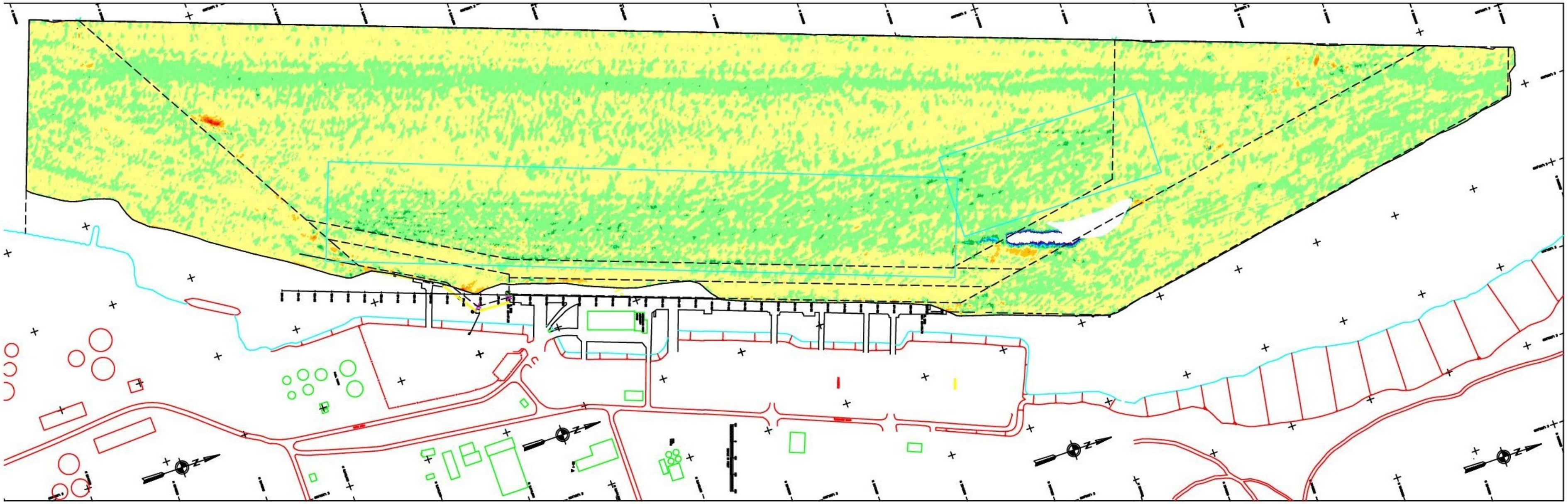


ANCHORAGE, 6 AUG VS. 9 AUG 2004

Change Charts

9 AUG VS 11 AUG 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	2184.57	0.0
-6.00	-5.00	🟦	2715.58	0.0
-5.00	-4.00	🟦	2594.61	0.0
-4.00	-3.00	🟦	3612.64	0.0
-3.00	-2.00	🟦	6307.60	0.1
-2.00	-1.00	🟩	58093.90	0.5
-1.00	0.00	🟩	4498511.13	37.3
0.00	1.00	🟨	7398093.76	61.4
1.00	2.00	🟨	63809.65	0.5
2.00	3.00	🟧	5993.14	0.0
3.00	4.00	🟧	1953.48	0.0
4.00	5.00	🟥	953.81	0.0
5.00	6.00	🟥	426.20	0.0
6.00	7.00	🟥	106.57	0.0

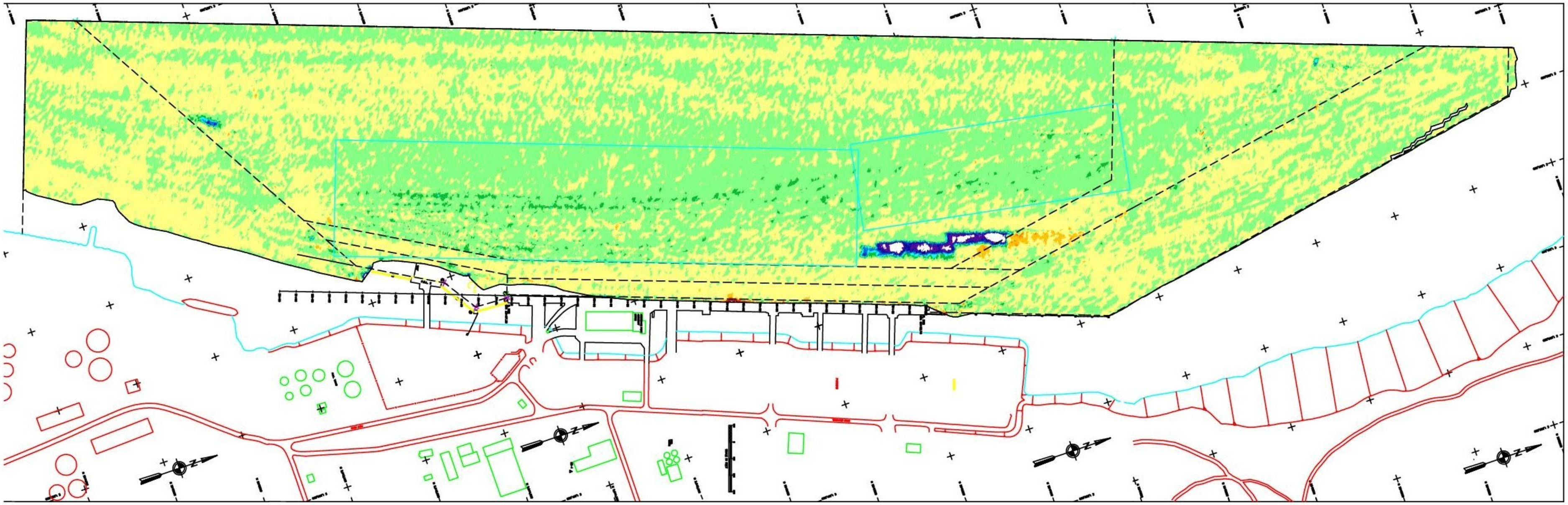


ANCHORAGE, 9 AUG VS. 11 AUG 2004

Change Charts

11 AUG VS 13 AUG 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	16083.87	0.1
-6.00	-5.00	🟦	10211.40	0.1
-5.00	-4.00	🟦	9183.31	0.1
-4.00	-3.00	🟦	11812.61	0.1
-3.00	-2.00	🟦	14826.64	0.1
-2.00	-1.00	🟩	107640.10	0.9
-1.00	0.00	🟩	5969251.12	49.2
0.00	1.00	🟨	5937546.59	48.9
1.00	2.00	🟨	46058.36	0.4
2.00	3.00	🟧	4449.86	0.0
3.00	4.00	🟧	1603.58	0.0
4.00	5.00	🟥	877.97	0.0
5.00	6.00	🟥	792.19	0.0
6.00	7.00	🟫	318.03	0.0

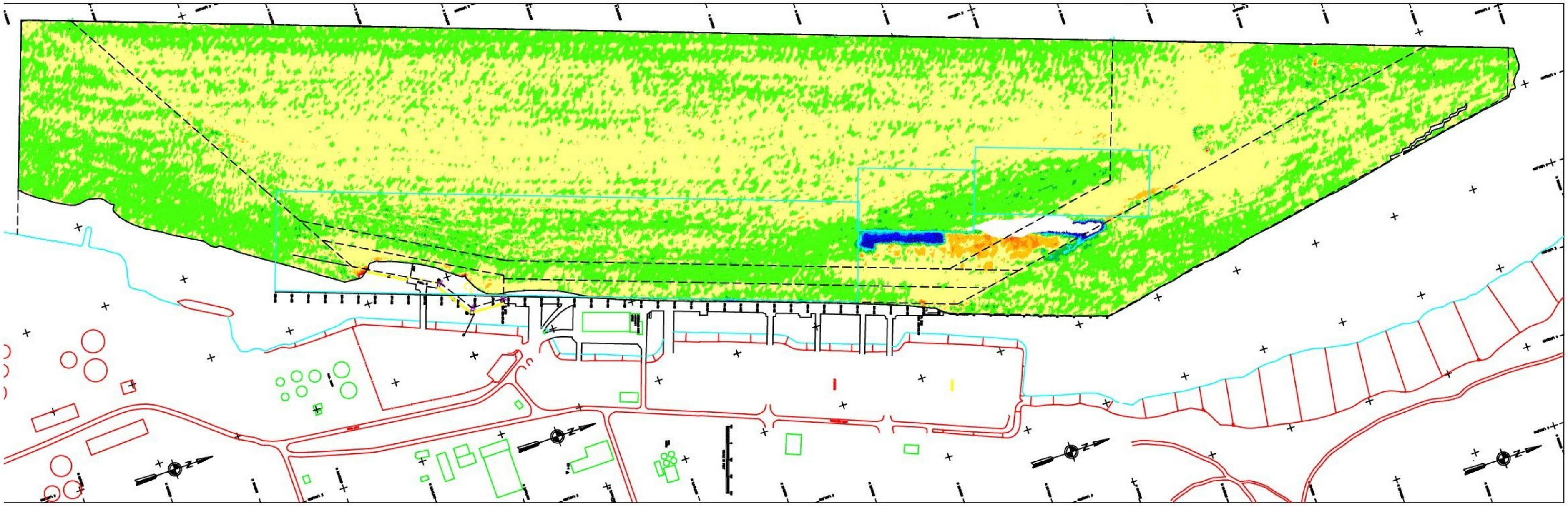


ANCHORAGE, 11 AUG VS. 13 AUG 2004

Change Charts

13 Aug 2004 vs 16 Aug 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟦	2912.46	0.0
-6.00	-5.00	🟦	14266.28	0.1
-5.00	-4.00	🟦	16904.34	0.1
-4.00	-3.00	🟦	12026.10	0.1
-3.00	-2.00	🟦	15258.28	0.1
-2.00	-1.00	🟩	66299.50	0.5
-1.00	0.00	🟩	4940349.17	40.9
0.00	1.00	🟨	6881428.03	57.0
1.00	2.00	🟨	106588.83	0.9
2.00	3.00	🟧	14678.94	0.1
3.00	4.00	🟧	1814.13	0.0
4.00	5.00	🟥	590.27	0.0
5.00	6.00	🟥	561.20	0.0
6.00	7.00	🟥	271.74	0.0

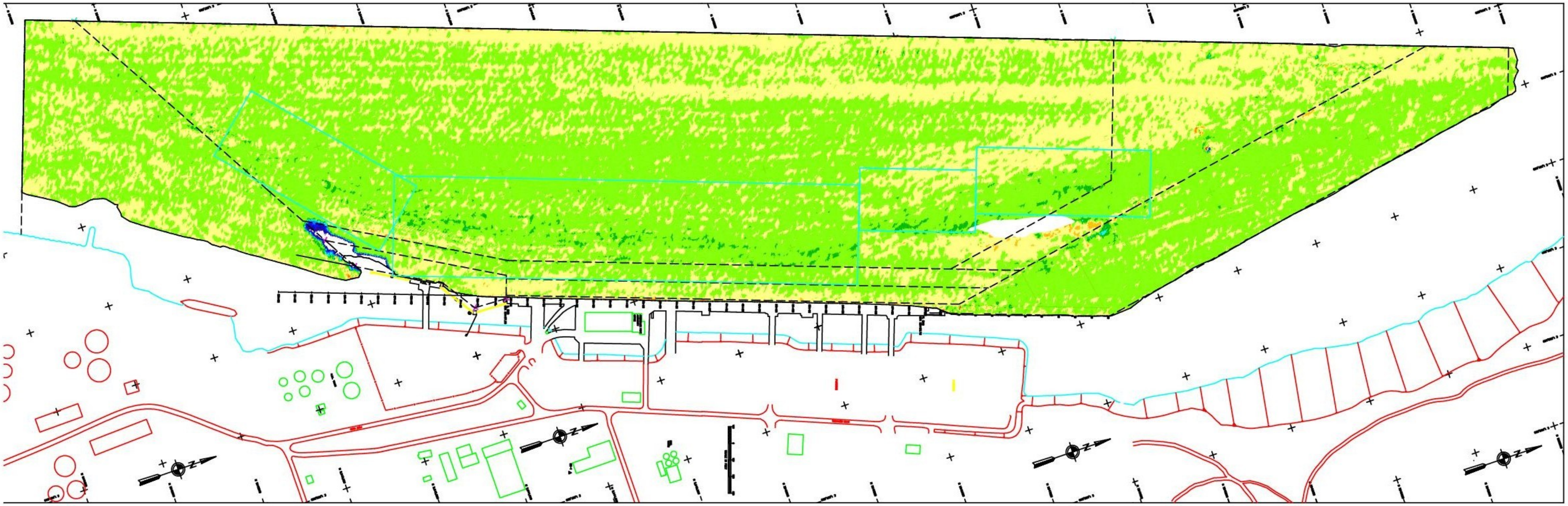


ANCHORAGE, 13 AUG vs 16 AUG 2004

Change Charts

16aug04vs18aug04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	3920.33	0.0
-6.00	-5.00	🟦	3700.49	0.0
-5.00	-4.00	🟦	4539.49	0.0
-4.00	-3.00	🟦	4107.02	0.0
-3.00	-2.00	🟦	6691.86	0.1
-2.00	-1.00	🟩	116496.29	1.0
-1.00	0.00	🟩	7667912.65	63.2
0.00	1.00	🟨	4284138.06	35.3
1.00	2.00	🟧	34480.00	0.3
2.00	3.00	🟧	3585.55	0.0
3.00	4.00	🟥	1359.35	0.0
4.00	5.00	🟥	492.73	0.0
5.00	6.00	🟥	162.86	0.0
6.00	7.00	🟥	56.58	0.0

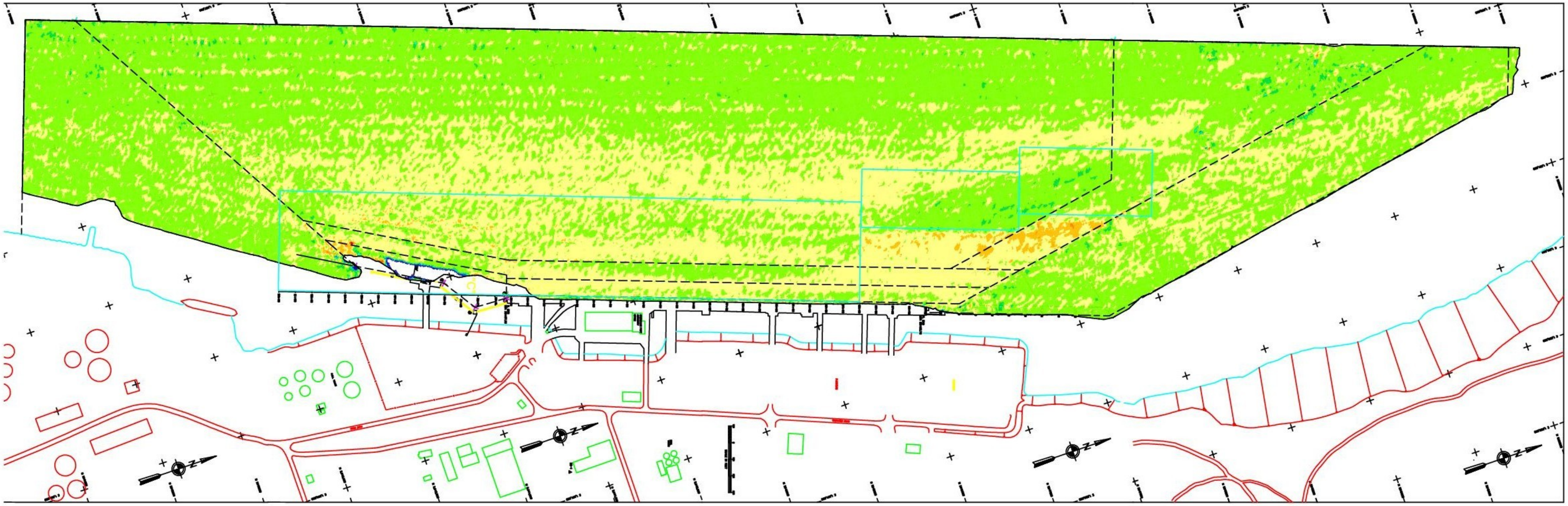


ANCHORAGE, 16 AUG vs 18 AUG 2004

Change Charts

20 AUG 2004, INTERIM 28

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	2052.61	0.0
-6.00	-5.00	🟦	2348.48	0.0
-5.00	-4.00	🟦	2154.99	0.0
-4.00	-3.00	🟦	2643.37	0.0
-3.00	-2.00	🟦	5426.99	0.0
-2.00	-1.00	🟩	99613.78	0.8
-1.00	0.00	🟩	7535811.28	62.0
0.00	1.00	🟨	4413960.50	36.3
1.00	2.00	🟨	88563.01	0.7
2.00	3.00	🟧	2659.42	0.0
3.00	4.00	🟧	360.78	0.0
4.00	5.00	🟥	155.22	0.0
5.00	6.00	🟥	47.00	0.0
6.00	7.00	🟫	21.50	0.0

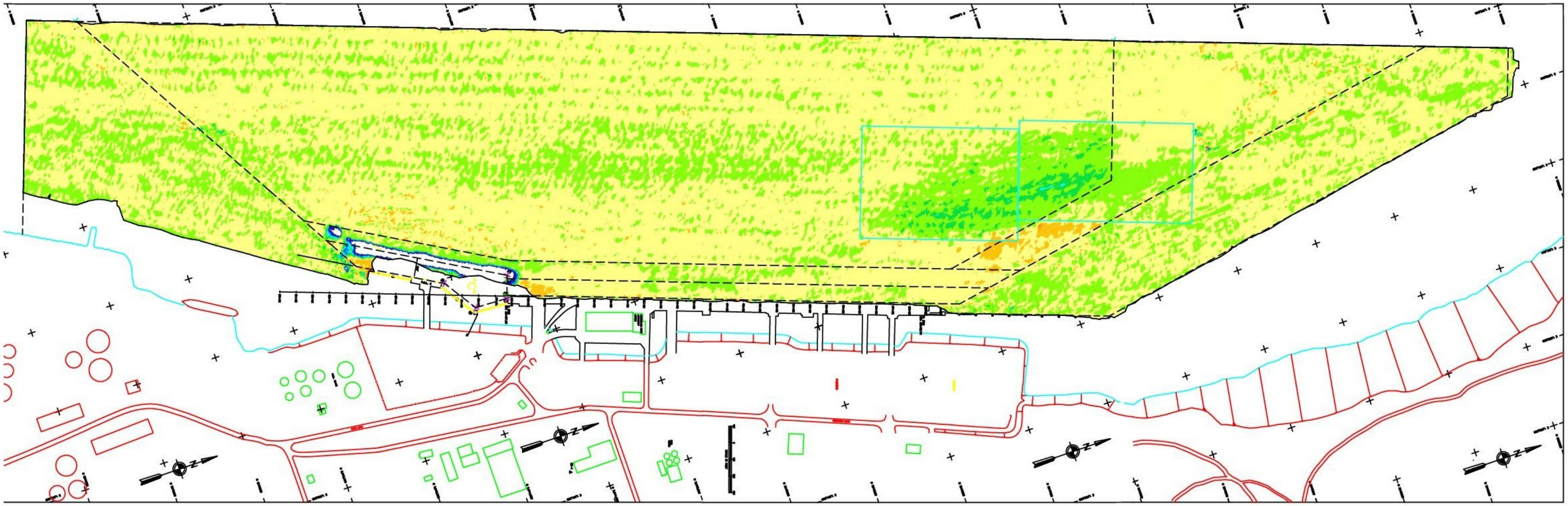


ANCHORAGE, 18 AUG vs 20 AUG 2004

Change Charts

20 AUG VS. 23 AUG 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟦	5809.24	0.0
-6.00	-5.00	🟦	4752.93	0.0
-5.00	-4.00	🟦	5107.66	0.0
-4.00	-3.00	🟦	7102.51	0.1
-3.00	-2.00	🟦	12435.96	0.1
-2.00	-1.00	🟩	120438.90	1.0
-1.00	0.00	🟩	3048643.55	25.2
0.00	1.00	🟨	8727198.44	72.3
1.00	2.00	🟨	140278.53	1.2
2.00	3.00	🟧	2356.62	0.0
3.00	4.00	🟧	496.35	0.0
4.00	5.00	🟥	94.11	0.0
5.00	6.00	🟥	36.75	0.0
6.00	7.00	🟫	7.50	0.0

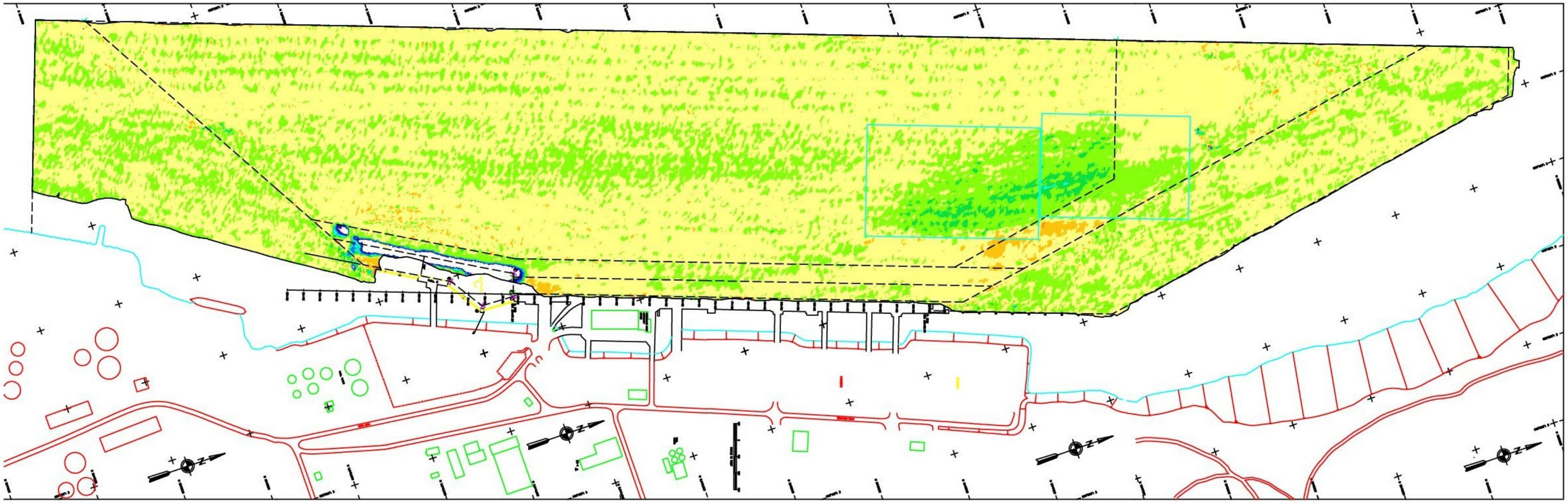


ANCHORAGE 20 AUG vs 23 AUG 2004

Change Charts

23 AUG 2004 vs. 25 AUG 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	5809.24	0.0
-6.00	-5.00	🟦	4752.93	0.0
-5.00	-4.00	🟦	5107.66	0.0
-4.00	-3.00	🟦	7102.51	0.1
-3.00	-2.00	🟦	12435.96	0.1
-2.00	-1.00	🟩	120438.90	1.0
-1.00	0.00	🟩	3048643.55	25.2
0.00	1.00	🟨	8727198.44	72.3
1.00	2.00	🟨	140278.53	1.2
2.00	3.00	🟧	2356.62	0.0
3.00	4.00	🟧	496.35	0.0
4.00	5.00	🟥	94.11	0.0
5.00	6.00	🟥	36.75	0.0
6.00	7.00	🟫	7.50	0.0

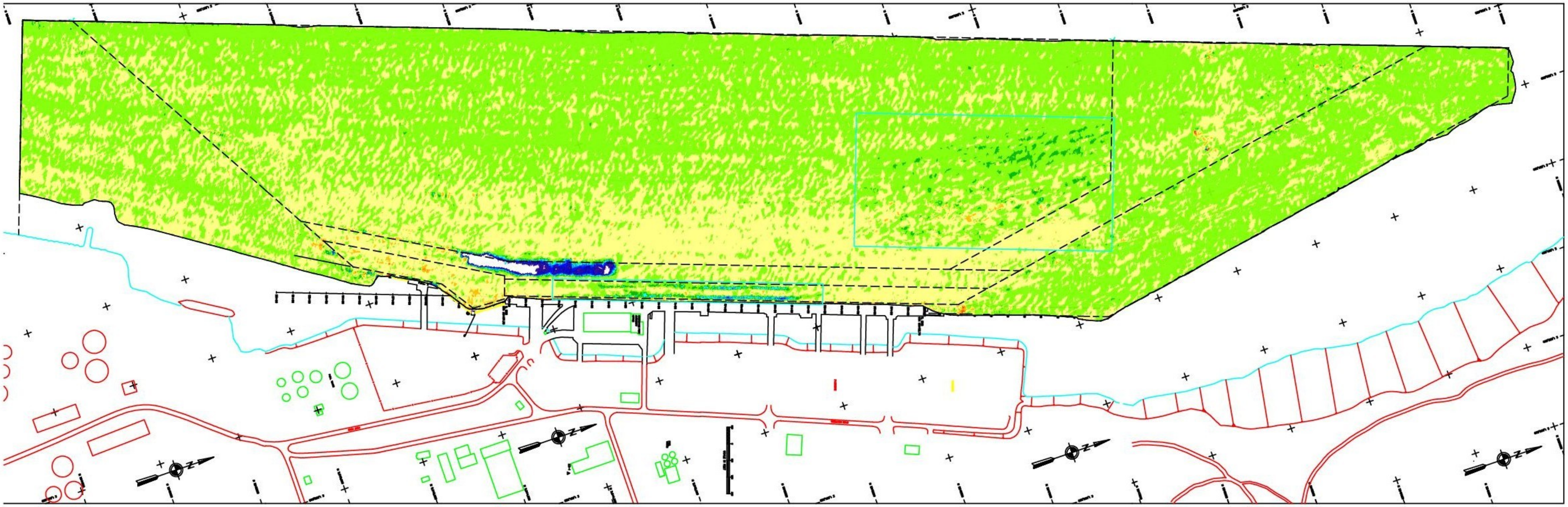


ANCHORAGE, 23 AUG vs 25 AUG 2004

Change Charts

25aug04vs27aug04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	12253.99	0.1
-6.00	-5.00	🟦	13932.47	0.1
-5.00	-4.00	🟦	10621.94	0.1
-4.00	-3.00	🟦	12438.55	0.1
-3.00	-2.00	🟦	21561.56	0.2
-2.00	-1.00	🟩	98598.02	0.8
-1.00	0.00	🟩	7506954.87	61.4
0.00	1.00	🟨	4490801.26	36.7
1.00	2.00	🟨	51937.40	0.4
2.00	3.00	🟧	4150.80	0.0
3.00	4.00	🟧	1082.12	0.0
4.00	5.00	🟥	406.25	0.0
5.00	6.00	🟥	143.13	0.0
6.00	7.00	🟥	70.94	0.0

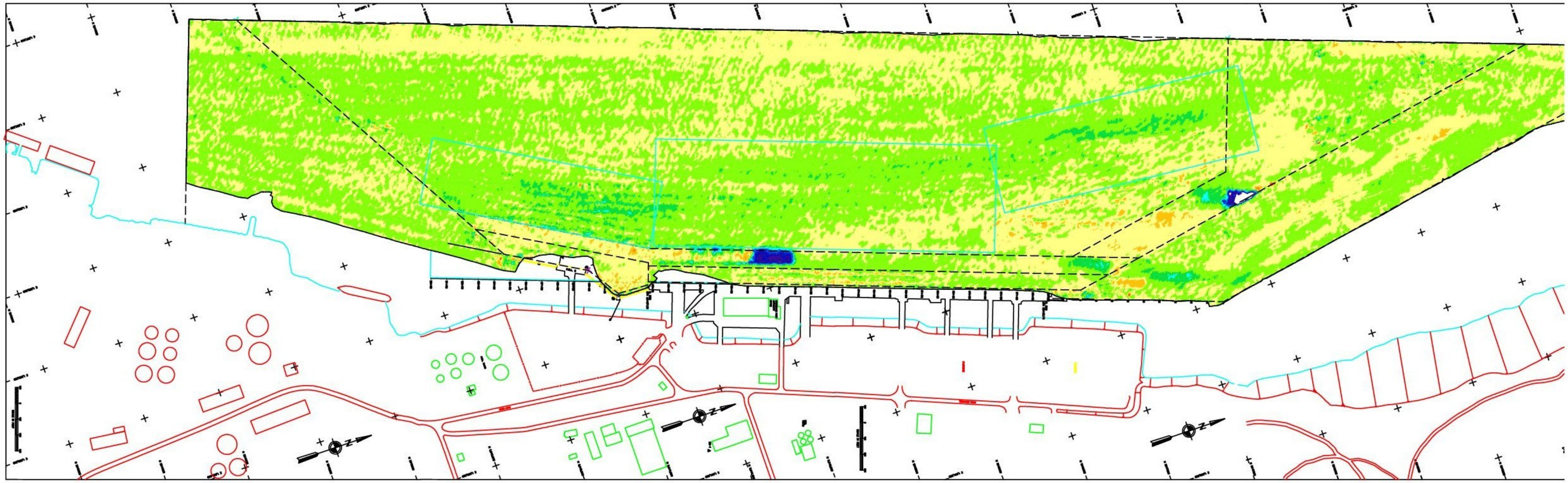


ANCHORAGE, 25 AUG vs 27 AUG 2004

Change Charts

27 AUG 04 VS 30 AUG 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟦	10187.42	0.1
-6.00	-5.00	🟦	10345.95	0.1
-5.00	-4.00	🟦	7562.37	0.1
-4.00	-3.00	🟦	8074.97	0.1
-3.00	-2.00	🟦	22303.87	0.2
-2.00	-1.00	🟩	271923.60	2.2
-1.00	0.00	🟩	6587463.20	54.1
0.00	1.00	🟨	5153429.09	42.3
1.00	2.00	🟨	102663.75	0.8
2.00	3.00	🟧	2506.05	0.0
3.00	4.00	🟧	390.18	0.0
4.00	5.00	🟥	96.70	0.0
5.00	6.00	🟥	9.50	0.0
6.00	7.00	🟥	12.50	0.0

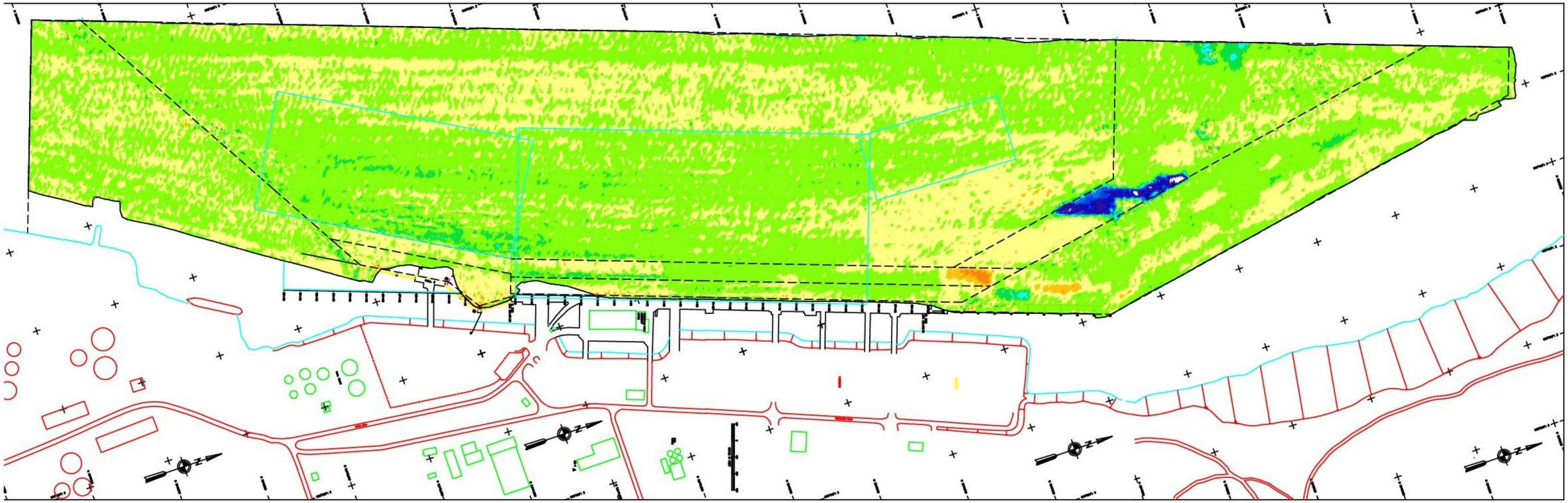


ANCHORAGE, 27 AUG vs 30 AUG 2004

Change Charts

01 SEP 2004, INTERIM 33

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟦	14710.62	0.1
-6.00	-5.00	🟦	23811.89	0.2
-5.00	-4.00	🟦	17580.59	0.1
-4.00	-3.00	🟦	14166.18	0.1
-3.00	-2.00	🟦	25074.01	0.2
-2.00	-1.00	🟩	236789.63	1.9
-1.00	0.00	🟩	7518833.85	61.8
0.00	1.00	🟨	4241233.32	34.9
1.00	2.00	🟨	62426.12	0.5
2.00	3.00	🟧	10456.47	0.1
3.00	4.00	🟧	753.44	0.0
4.00	5.00	🟥	154.84	0.0
5.00	6.00	🟥	44.76	0.0
6.00	7.00	🟫	2.25	0.0

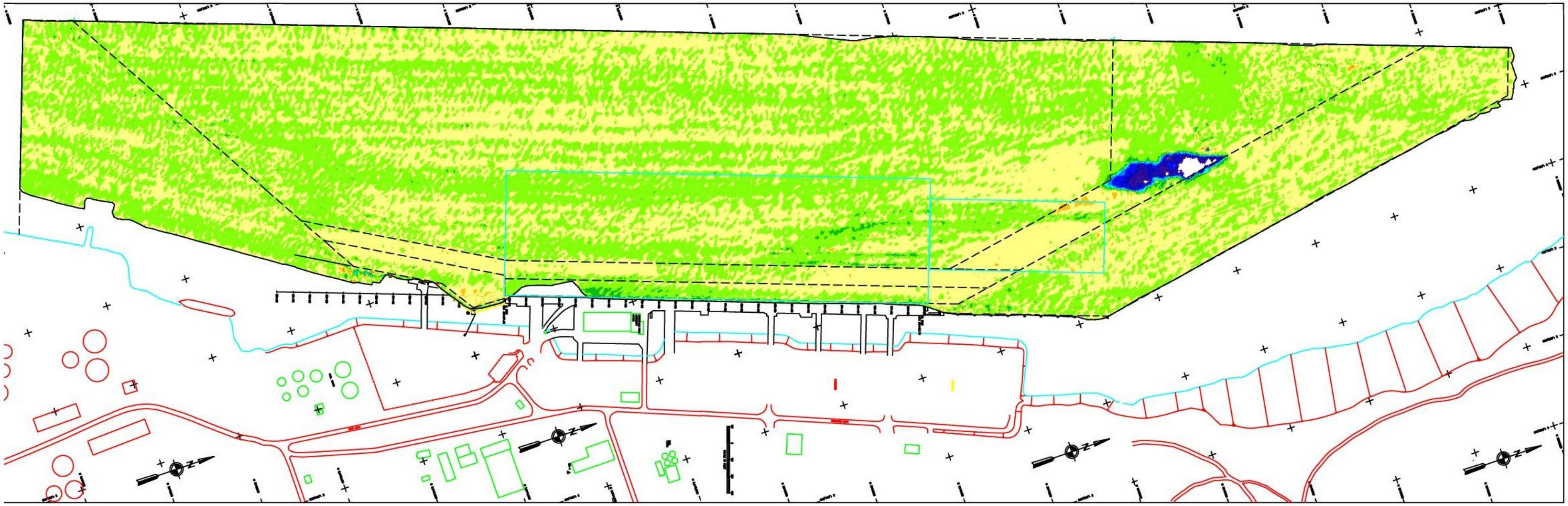


ANCHORAGE, 30 AUG vs 01 SEP 2004

Change Charts

1 SEP 2004 vs 3 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	20565.35	0.2
-6.00	-5.00	🟦	19921.05	0.2
-5.00	-4.00	🟦	14946.14	0.1
-4.00	-3.00	🟦	10317.81	0.1
-3.00	-2.00	🟦	13834.22	0.1
-2.00	-1.00	🟩	82146.21	0.7
-1.00	0.00	🟩	6062579.93	49.7
0.00	1.00	🟨	5931415.87	48.6
1.00	2.00	🟨	35054.92	0.3
2.00	3.00	🟧	1323.93	0.0
3.00	4.00	🟧	284.87	0.0
4.00	5.00	🟥	155.93	0.0
5.00	6.00	🟥	69.08	0.0
6.00	7.00	🟥	2.27	0.0



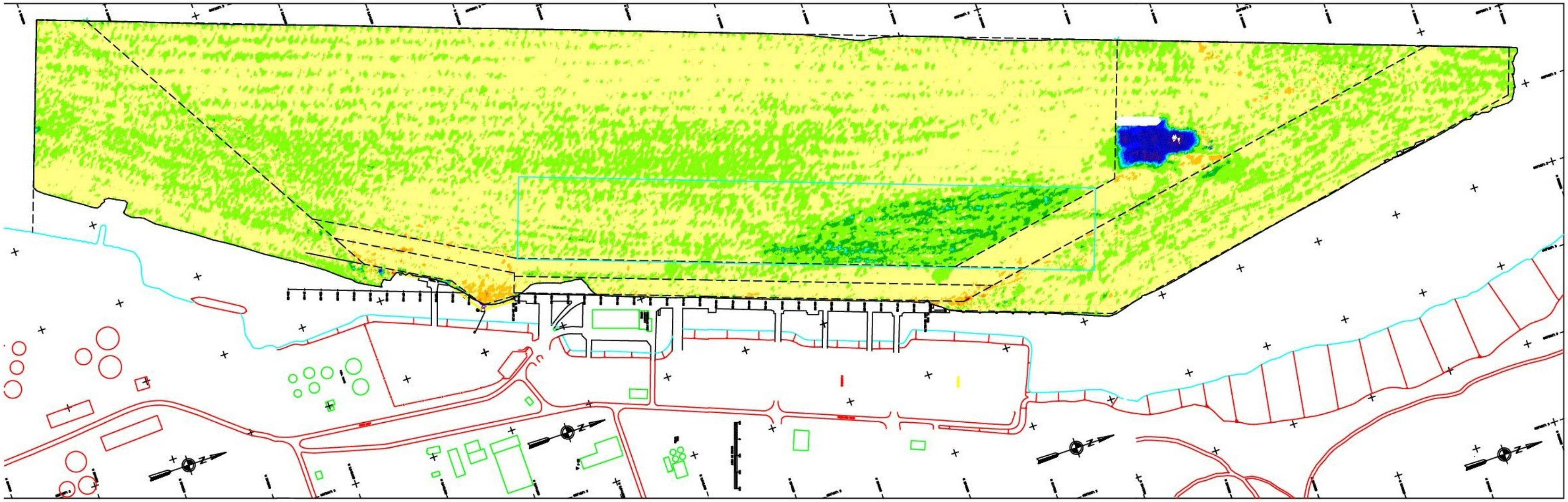
ANCHORAGE, 1 SEP vs 3 SEP 2004

US Army Corps of Engineers
Alaska District

Change Charts

3sep04vs8sep04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	13328.17	0.1
-6.00	-5.00	🟦	42948.38	0.4
-5.00	-4.00	🟦	20931.37	0.2
-4.00	-3.00	🟦	10832.47	0.1
-3.00	-2.00	🟦	21179.87	0.2
-2.00	-1.00	🟩	193458.37	1.6
-1.00	0.00	🟩	3592108.15	29.4
0.00	1.00	🟨	8188180.12	67.1
1.00	2.00	🟨	114604.13	0.9
2.00	3.00	🟧	4197.39	0.0
3.00	4.00	🟧	521.77	0.0
4.00	5.00	🟥	60.23	0.0
5.00	6.00	🟥	5.47	0.0
6.00	7.00	🟥	0.63	0.0

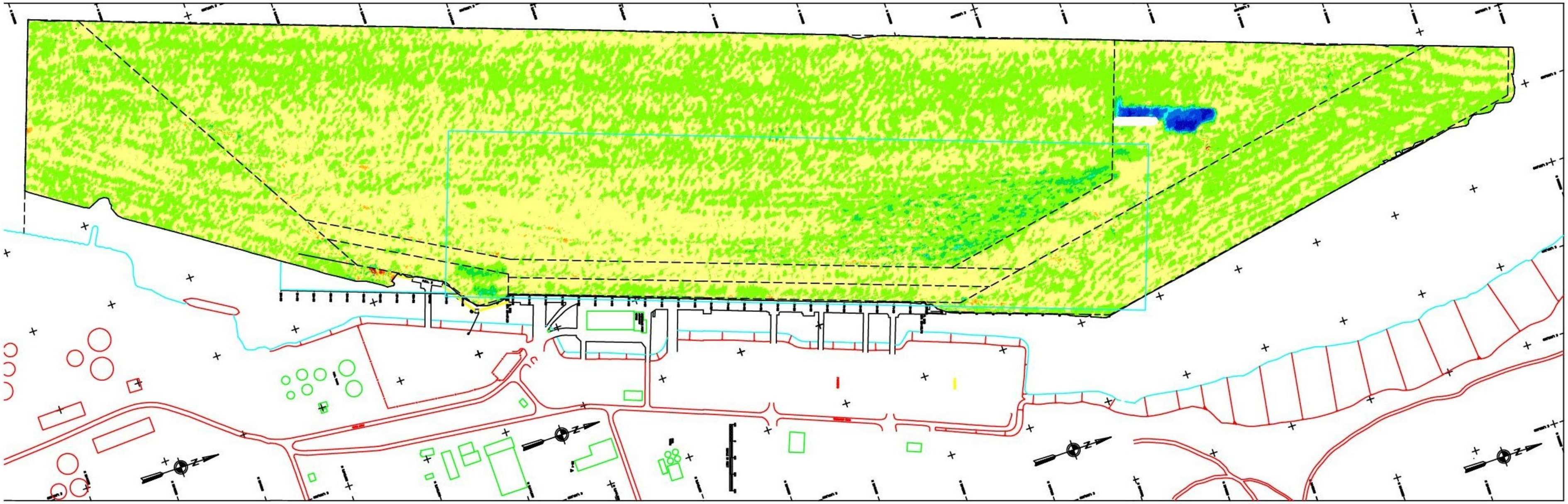


ANCHORAGE, 3 SEP vs 8 SEP 2004

Change Charts

8 SEP 04 vs 10 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	116.42	0.0
-6.00	-5.00	🟦	9486.11	0.1
-5.00	-4.00	🟦	21076.25	0.2
-4.00	-3.00	🟦	17290.36	0.1
-3.00	-2.00	🟦	15405.01	0.1
-2.00	-1.00	🟩	125415.16	1.0
-1.00	0.00	🟩	5692974.23	46.6
0.00	1.00	🟨	6303500.29	51.6
1.00	2.00	🟧	34609.28	0.3
2.00	3.00	🟧	2658.95	0.0
3.00	4.00	🟧	1007.29	0.0
4.00	5.00	🟥	418.63	0.0
5.00	6.00	🟥	309.34	0.0
6.00	7.00	🟫	216.08	0.0

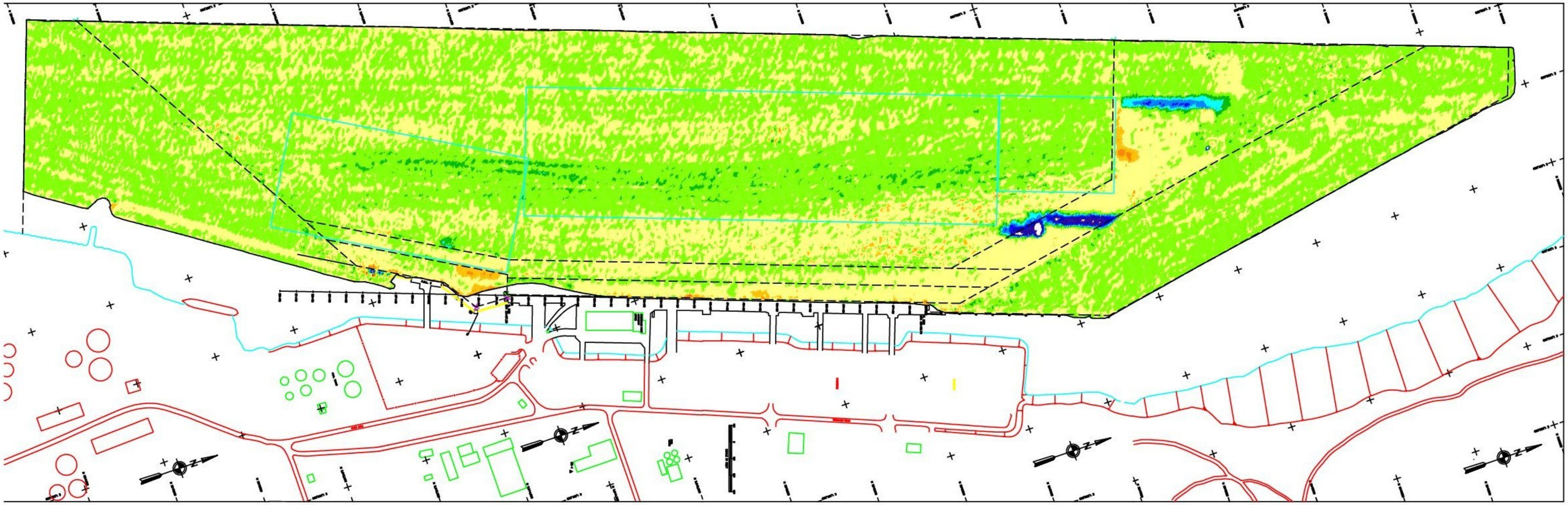


ANCHORAGE, 8 SEP vs 10 SEP 2004

Change Charts

10 SEP 04 vs 13 SEP 04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	12686.78	0.1
-6.00	-5.00	🟦	10795.34	0.1
-5.00	-4.00	🟦	12608.18	0.1
-4.00	-3.00	🟦	25808.71	0.2
-3.00	-2.00	🟦	33851.60	0.3
-2.00	-1.00	🟩	148378.82	1.2
-1.00	0.00	🟩	7299678.39	59.9
0.00	1.00	🟨	4527984.41	37.2
1.00	2.00	🟨	99638.38	0.8
2.00	3.00	🟧	9181.75	0.1
3.00	4.00	🟧	608.62	0.0
4.00	5.00	🟥	106.52	0.0
5.00	6.00	🟥	86.05	0.0
6.00	7.00	🟥	53.15	0.0

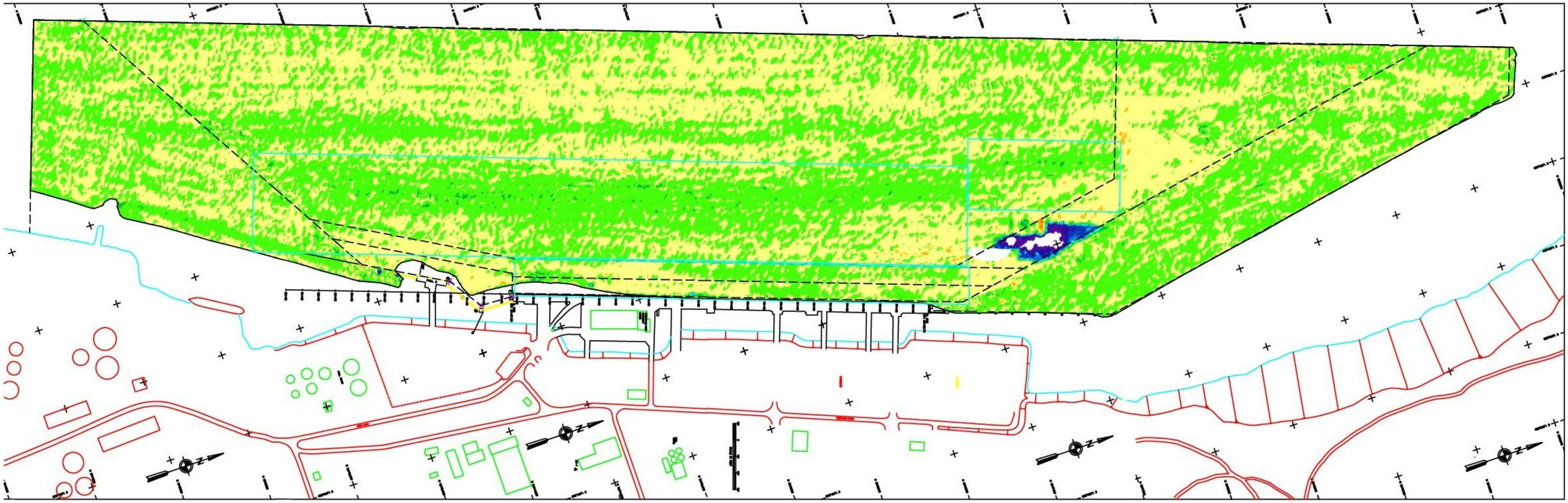


ANCHORAGE, 10 SEP vs 13 SEP 2004

Change Charts

13 SEP 04 VS 15 SEP 04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	13755.20	0.1
-6.00	-5.00	🟦	11924.68	0.1
-5.00	-4.00	🟦	15843.33	0.1
-4.00	-3.00	🟦	12555.66	0.1
-3.00	-2.00	🟦	10331.54	0.1
-2.00	-1.00	🟩	59865.67	0.5
-1.00	0.00	🟩	5806920.67	47.9
0.00	1.00	🟨	6153081.88	50.7
1.00	2.00	🟧	39078.63	0.3
2.00	3.00	🟧	2472.61	0.0
3.00	4.00	🟧	303.13	0.0
4.00	5.00	🟥	16.71	0.0
5.00	6.00	🟥	0.00	0.0
6.00	7.00	🟫	0.00	0.0



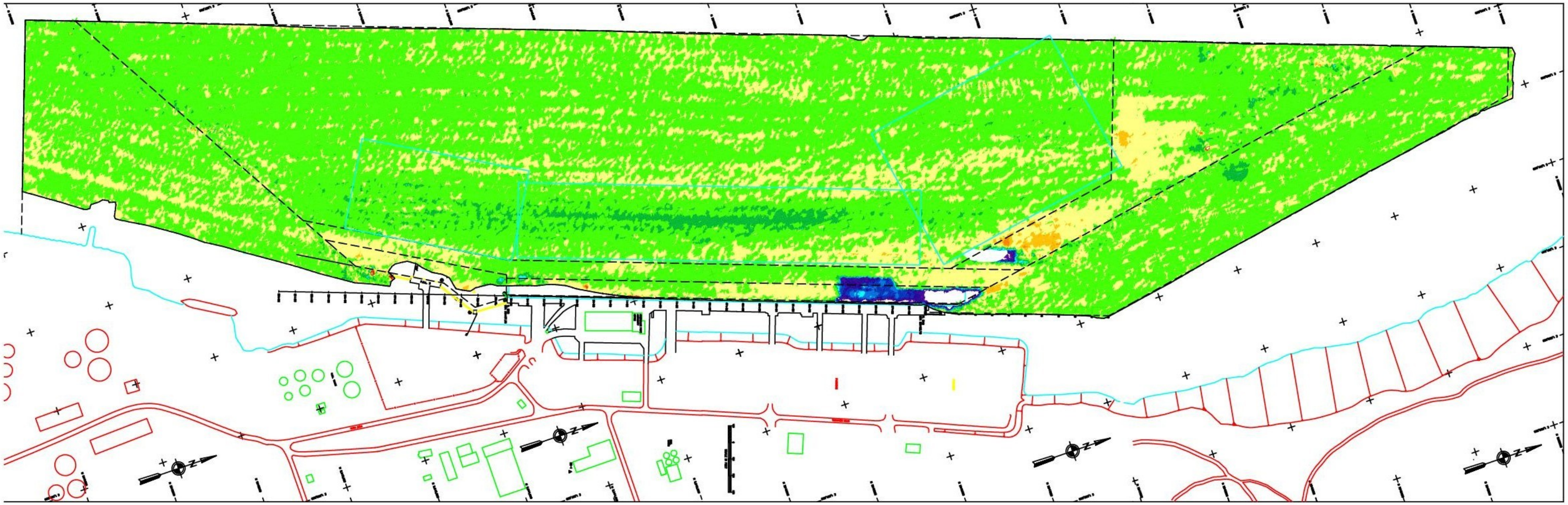
ANCHORAGE, 13 SEP vs 15 SEP 2004

US Army Corps of Engineers
Alaska District

Change Charts

15 SEP 04 VS 17 SEP 04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	12132.56	0.1
-6.00	-5.00	🟦	21670.75	0.2
-5.00	-4.00	🟦	24613.30	0.2
-4.00	-3.00	🟦	17976.96	0.1
-3.00	-2.00	🟦	14005.95	0.1
-2.00	-1.00	🟩	280495.87	2.3
-1.00	0.00	🟩	8982954.89	74.4
0.00	1.00	🟨	2671775.13	22.1
1.00	2.00	🟨	51082.33	0.4
2.00	3.00	🟧	3247.50	0.0
3.00	4.00	🟧	637.88	0.0
4.00	5.00	🟥	715.92	0.0
5.00	6.00	🟥	230.78	0.0
6.00	7.00	🟥	179.21	0.0

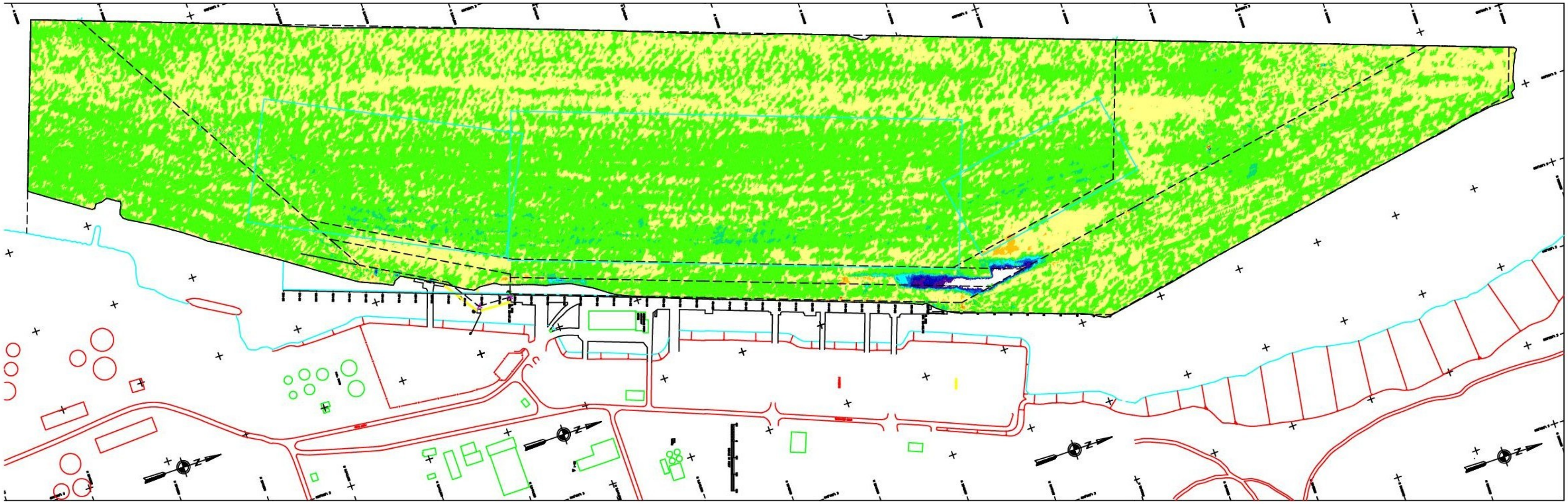


ANCHORAGE, 15 SEP vs 17 SEP 2004

Change Charts

17 SEP 2004 VS 20 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	10611.31	0.1
-6.00	-5.00	🟦	10854.64	0.1
-5.00	-4.00	🟦	8498.63	0.1
-4.00	-3.00	🟦	11766.11	0.1
-3.00	-2.00	🟦	19255.30	0.2
-2.00	-1.00	🟩	118816.04	1.0
-1.00	0.00	🟩	7496215.09	61.8
0.00	1.00	🟨	4426680.77	36.5
1.00	2.00	🟨	32058.84	0.3
2.00	3.00	🟧	2224.67	0.0
3.00	4.00	🟧	703.55	0.0
4.00	5.00	🟥	296.95	0.0
5.00	6.00	🟥	116.09	0.0
6.00	7.00	🟥	20.26	0.0

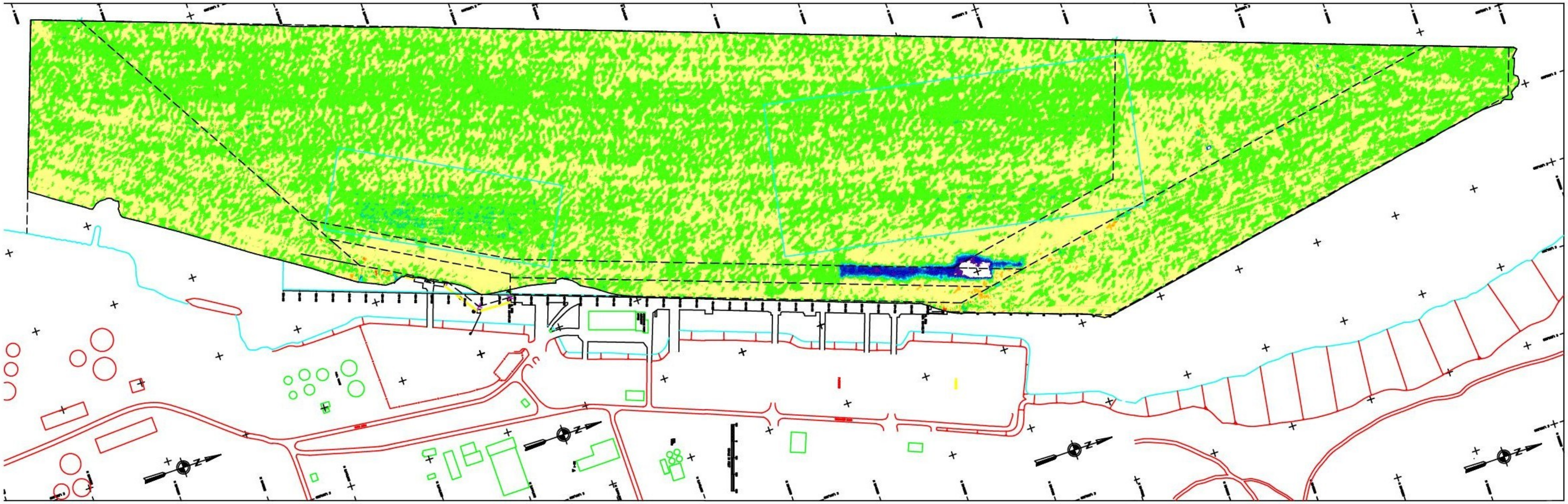


ANCHORAGE, 17 SEP vs 20 SEP 2004

Change Charts

20 SEP 2004 VS 22 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	8285.18	0.1
-6.00	-5.00	🟦	20928.77	0.2
-5.00	-4.00	🟦	19823.82	0.2
-4.00	-3.00	🟦	13843.11	0.1
-3.00	-2.00	🟦	15521.96	0.1
-2.00	-1.00	🟩	76551.37	0.6
-1.00	0.00	🟩	6641101.24	54.6
0.00	1.00	🟨	5342227.96	43.9
1.00	2.00	🟧	31510.62	0.3
2.00	3.00	🟧	1694.58	0.0
3.00	4.00	🟧	398.03	0.0
4.00	5.00	🟥	104.29	0.0
5.00	6.00	🟥	0.00	0.0
6.00	7.00	🟥	0.00	0.0

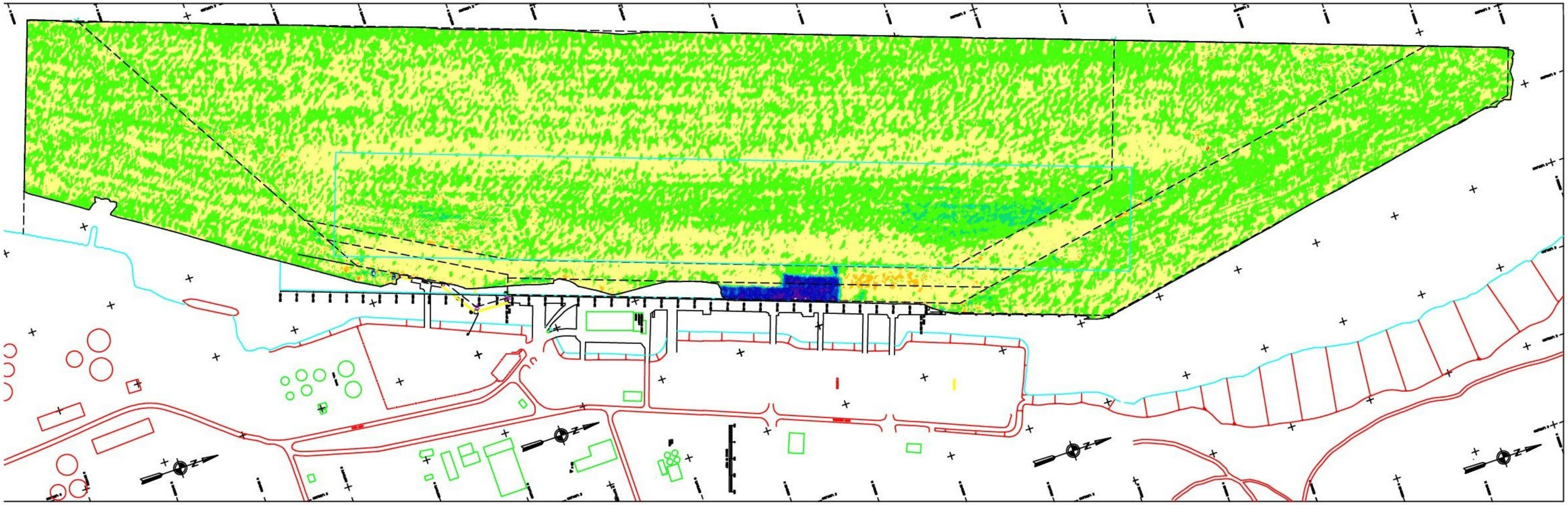


ANCHORAGE, 20 SEP vs 22 SEP 2004

Change Charts

22 SEP 2004 VS 24 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	9994.32	0.1
-6.00	-5.00	🟦	47752.05	0.4
-5.00	-4.00	🟦	19078.45	0.2
-4.00	-3.00	🟦	7980.74	0.1
-3.00	-2.00	🟦	7958.31	0.1
-2.00	-1.00	🟩	96081.48	0.8
-1.00	0.00	🟩	6038999.79	49.9
0.00	1.00	🟨	5824313.80	48.1
1.00	2.00	🟨	56060.66	0.5
2.00	3.00	🟧	2561.70	0.0
3.00	4.00	🟧	537.59	0.0
4.00	5.00	🟥	120.69	0.0
5.00	6.00	🟥	35.75	0.0
6.00	7.00	🟥	25.50	0.0

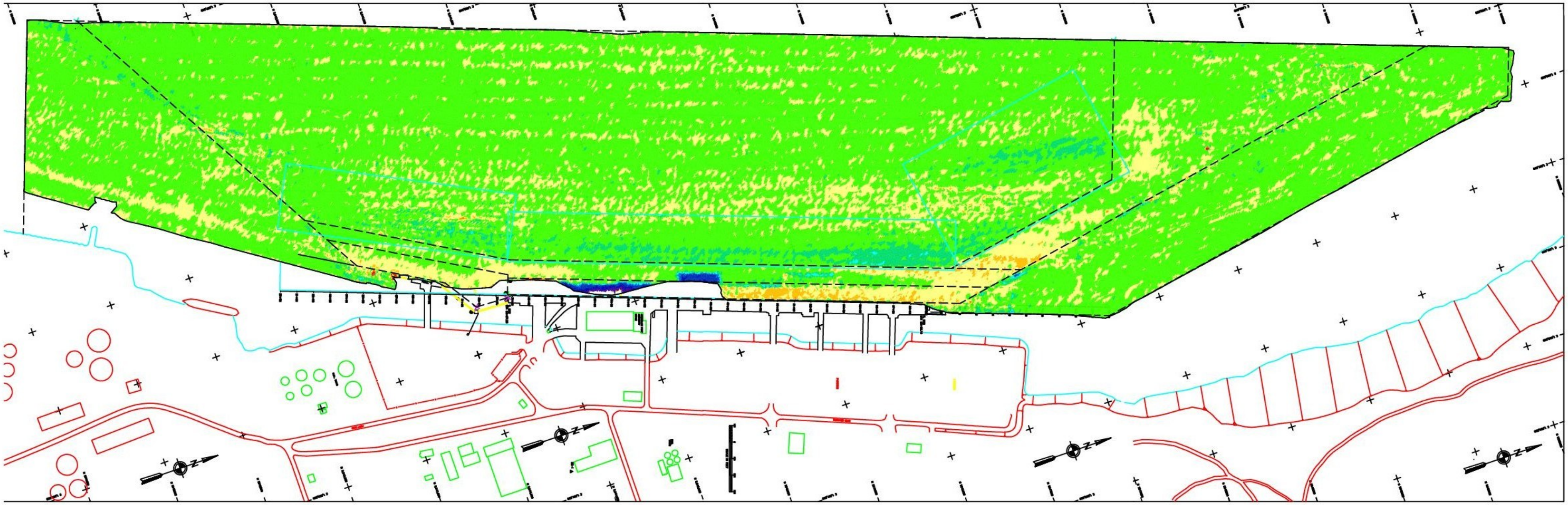


ANCHORAGE, 22 SEP vs 24 SEP 2004

Change Charts

24 SEP 2004 VS 27 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	3943.26	0.0
-6.00	-5.00	🟦	7811.87	0.1
-5.00	-4.00	🟦	16120.05	0.1
-4.00	-3.00	🟦	7185.05	0.1
-3.00	-2.00	🟦	17502.57	0.1
-2.00	-1.00	🟩	341832.36	2.8
-1.00	0.00	🟩	9506816.97	78.5
0.00	1.00	🟨	2125746.48	17.6
1.00	2.00	🟧	76800.37	0.6
2.00	3.00	🟧	2706.83	0.0
3.00	4.00	🟧	647.59	0.0
4.00	5.00	🟥	405.89	0.0
5.00	6.00	🟥	341.91	0.0
6.00	7.00	🟥	226.33	0.0



ANCHORAGE, 24 SEP vs 27 SEP 2004

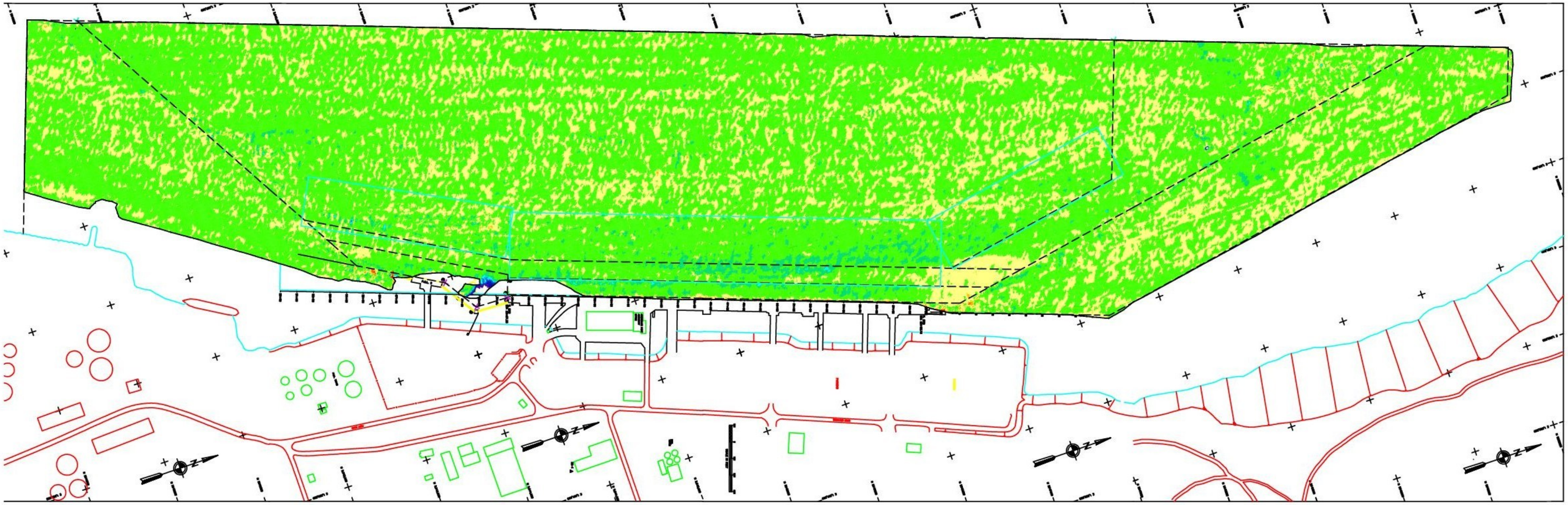
US Army Corps of Engineers
Alaska District

Change Charts

AK

27 SEP 2004 VS 29 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	1214.28	0.0
-6.00	-5.00	🟦	1376.05	0.0
-5.00	-4.00	🟦	1149.96	0.0
-4.00	-3.00	🟦	3102.38	0.0
-3.00	-2.00	🟦	7631.68	0.1
-2.00	-1.00	🟩	257788.51	2.1
-1.00	0.00	🟩	8852034.24	72.7
0.00	1.00	🟨	3019471.03	24.8
1.00	2.00	🟧	22262.78	0.2
2.00	3.00	🟧	3080.15	0.0
3.00	4.00	🟧	931.11	0.0
4.00	5.00	🟥	241.13	0.0
5.00	6.00	🟥	153.62	0.0
6.00	7.00	🟥	184.54	0.0



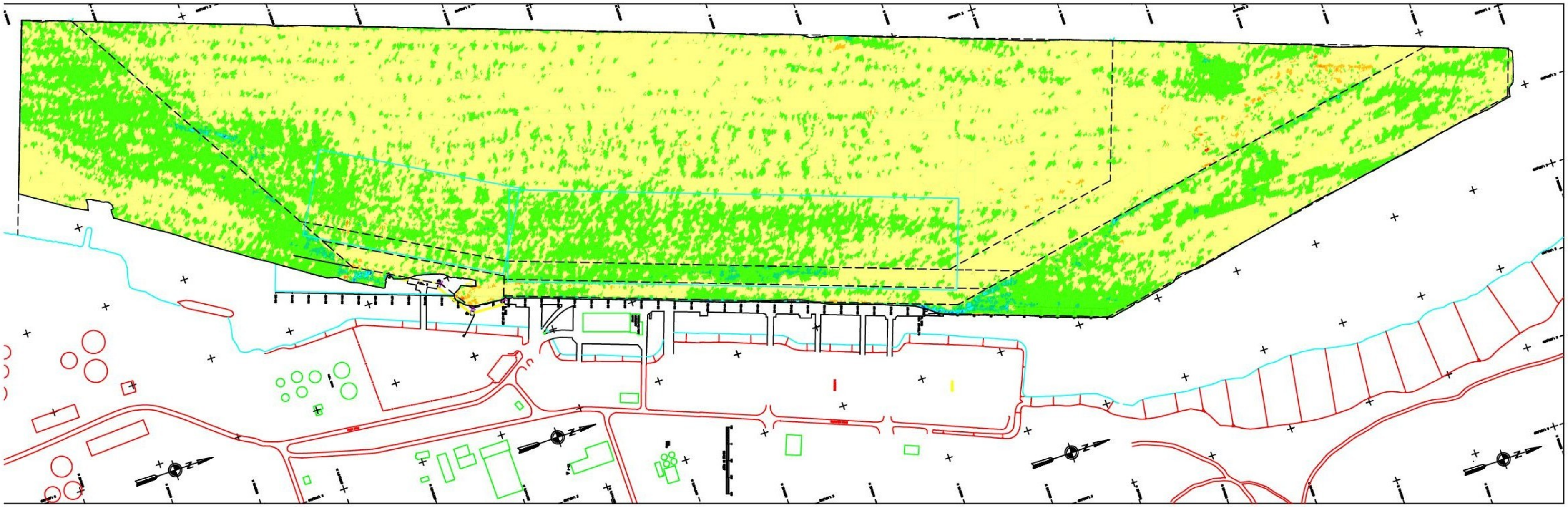
ANCHORAGE, 27 SEP vs 29 SEP 2004

US Army Corps of Engineers
Alaska District

Change Charts

29 SEP 2004 VS 01 AUG 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	71.05	0.0
-6.00	-5.00	🟦	354.27	0.0
-5.00	-4.00	🟦	1412.44	0.0
-4.00	-3.00	🟦	4819.75	0.0
-3.00	-2.00	🟦	18397.65	0.2
-2.00	-1.00	🟩	104340.25	0.9
-1.00	0.00	🟩	3653591.92	29.9
0.00	1.00	🟨	8376535.61	68.6
1.00	2.00	🟧	50346.39	0.4
2.00	3.00	🟧	3054.53	0.0
3.00	4.00	🟥	730.33	0.0
4.00	5.00	🟥	652.62	0.0
5.00	6.00	🟥	213.87	0.0
6.00	7.00	🟥	242.17	0.0

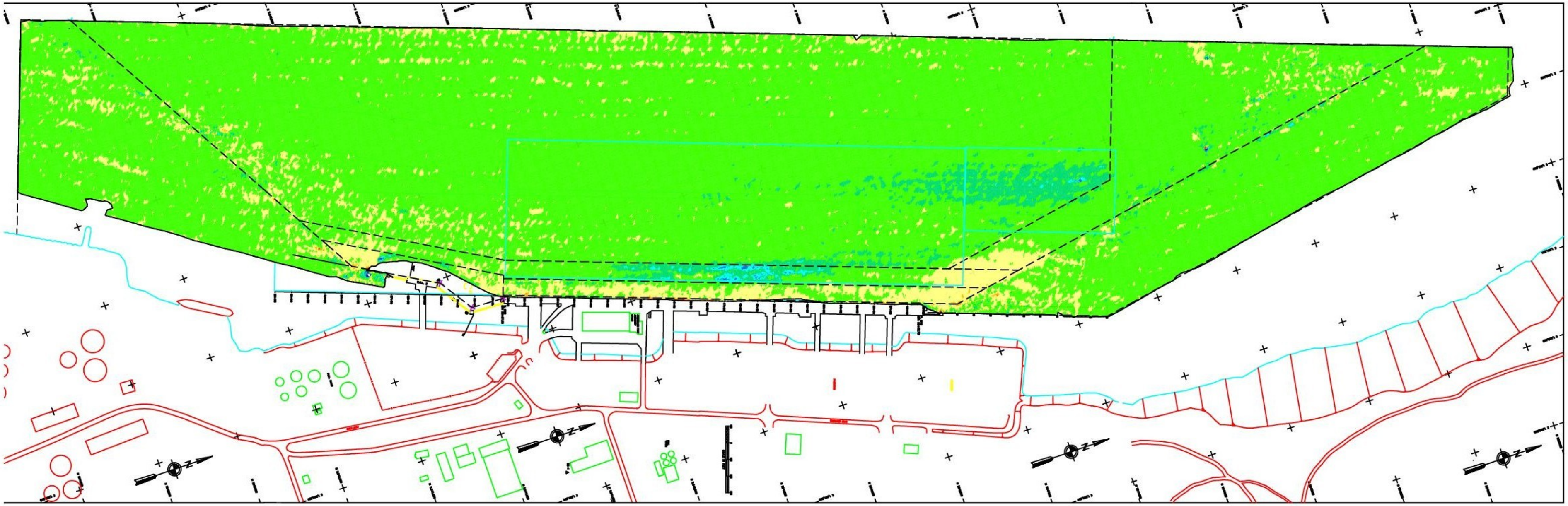


ANCHORAGE, 29 SEP vs 01 OCT 2004

Change Charts

01 OCT 2004 VS 04 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	117.54	0.0
-6.00	-5.00	🟦	216.63	0.0
-5.00	-4.00	🟦	645.14	0.0
-4.00	-3.00	🟦	3946.78	0.0
-3.00	-2.00	🟦	29870.39	0.2
-2.00	-1.00	🟩	397338.83	3.3
-1.00	0.00	🟩	10612653.74	87.3
0.00	1.00	🟨	1086163.79	8.9
1.00	2.00	🟨	16720.09	0.1
2.00	3.00	🟧	2133.11	0.0
3.00	4.00	🟧	747.43	0.0
4.00	5.00	🟥	253.54	0.0
5.00	6.00	🟥	47.87	0.0
6.00	7.00	🟥	10.75	0.0

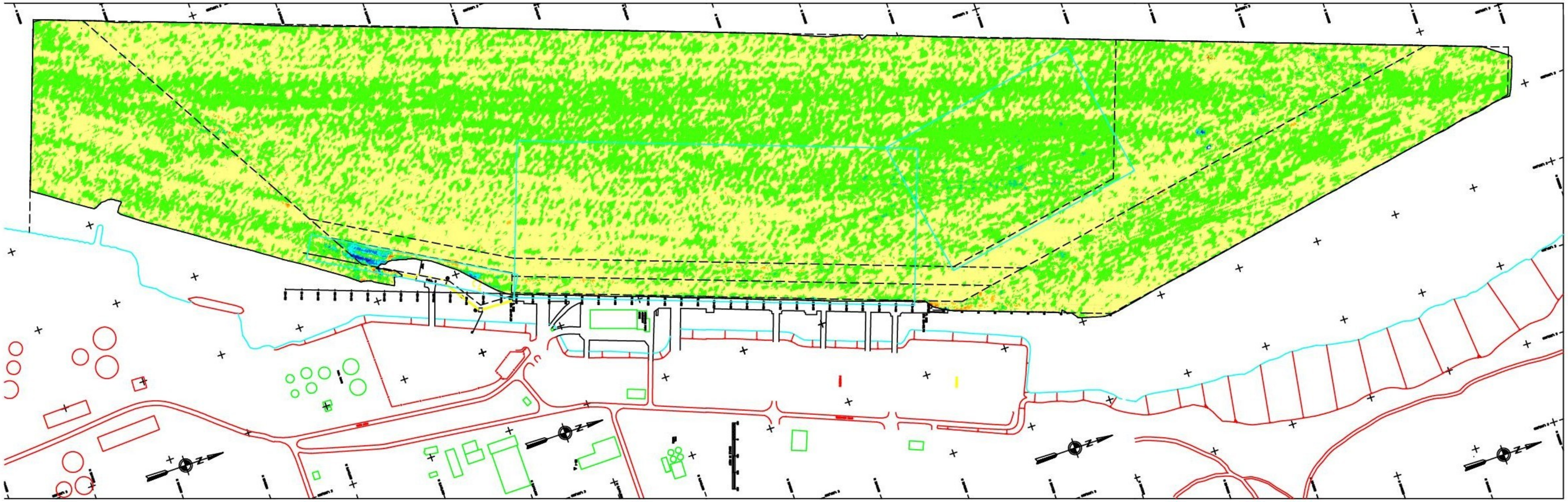


ANCHORAGE, 01 OCT vs 04 OCT 2004

Change Charts

4 OCT 2004 VS 6 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	234.99	0.0
-6.00	-5.00	🟦	923.06	0.0
-5.00	-4.00	🟦	1706.99	0.0
-4.00	-3.00	🟦	7364.70	0.1
-3.00	-2.00	🟦	14140.59	0.1
-2.00	-1.00	🟩	53130.19	0.4
-1.00	0.00	🟩	5657711.57	46.5
0.00	1.00	🟨	6387827.48	52.5
1.00	2.00	🟨	33573.39	0.3
2.00	3.00	🟧	2868.65	0.0
3.00	4.00	🟧	613.51	0.0
4.00	5.00	🟥	189.42	0.0
5.00	6.00	🟥	92.05	0.0
6.00	7.00	🟥	27.32	0.0

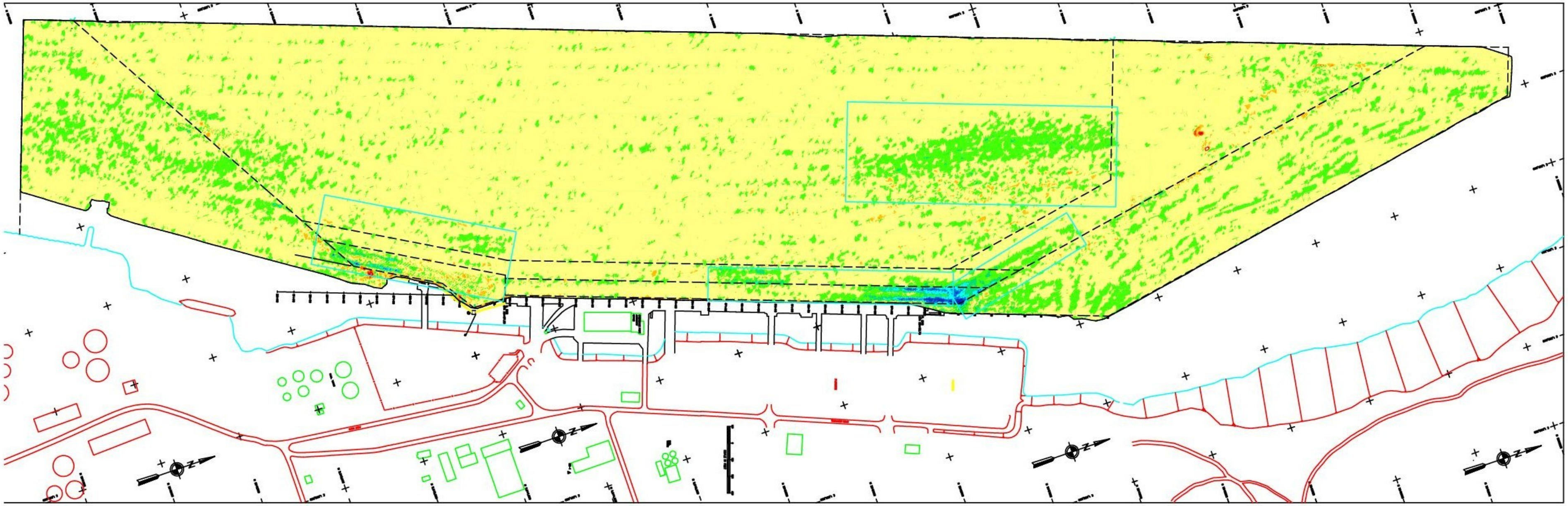


ANCHORAGE, 04 OCT vs 06 OCT 2004

Change Charts

6 OCT 2004 VS 8 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	15.46	0.0
-6.00	-5.00	🟦	744.20	0.0
-5.00	-4.00	🟦	4969.48	0.0
-4.00	-3.00	🟦	10642.44	0.1
-3.00	-2.00	🟦	20791.71	0.2
-2.00	-1.00	🟩	56721.17	0.5
-1.00	0.00	🟩	1614210.01	13.2
0.00	1.00	🟨	10431708.28	85.2
1.00	2.00	🟨	90993.25	0.7
2.00	3.00	🟧	8524.43	0.1
3.00	4.00	🟧	2471.41	0.0
4.00	5.00	🟥	870.26	0.0
5.00	6.00	🟥	466.24	0.0
6.00	7.00	🟥	311.16	0.0

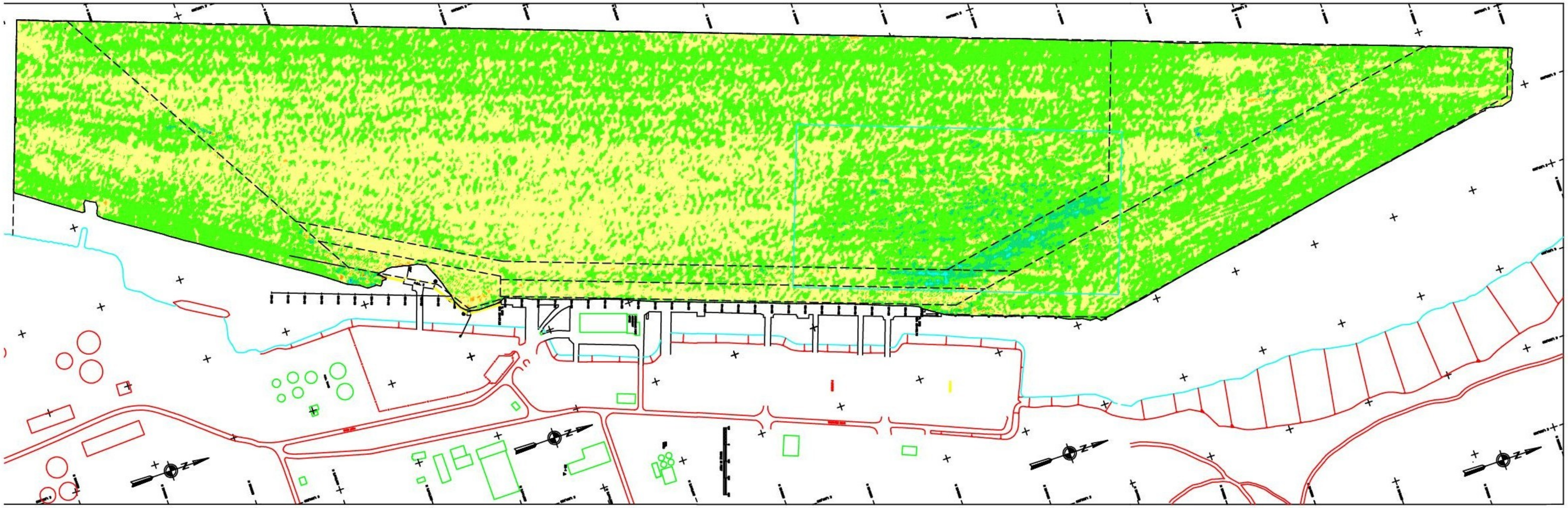


ANCHORAGE, 6 OCT vs 8 OCT 2004

Change Charts

8 OCT 2004 VS 11 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	8.00	0.0
-6.00	-5.00	🟦	17.50	0.0
-5.00	-4.00	🟦	89.29	0.0
-4.00	-3.00	🟦	381.37	0.0
-3.00	-2.00	🟦	10603.14	0.1
-2.00	-1.00	🟩	189987.26	1.6
-1.00	0.00	🟩	6571680.35	53.7
0.00	1.00	🟨	5428765.35	44.4
1.00	2.00	🟧	34171.63	0.3
2.00	3.00	🟧	2343.84	0.0
3.00	4.00	🟧	492.28	0.0
4.00	5.00	🟥	167.29	0.0
5.00	6.00	🟥	59.91	0.0
6.00	7.00	🟥	56.71	0.0

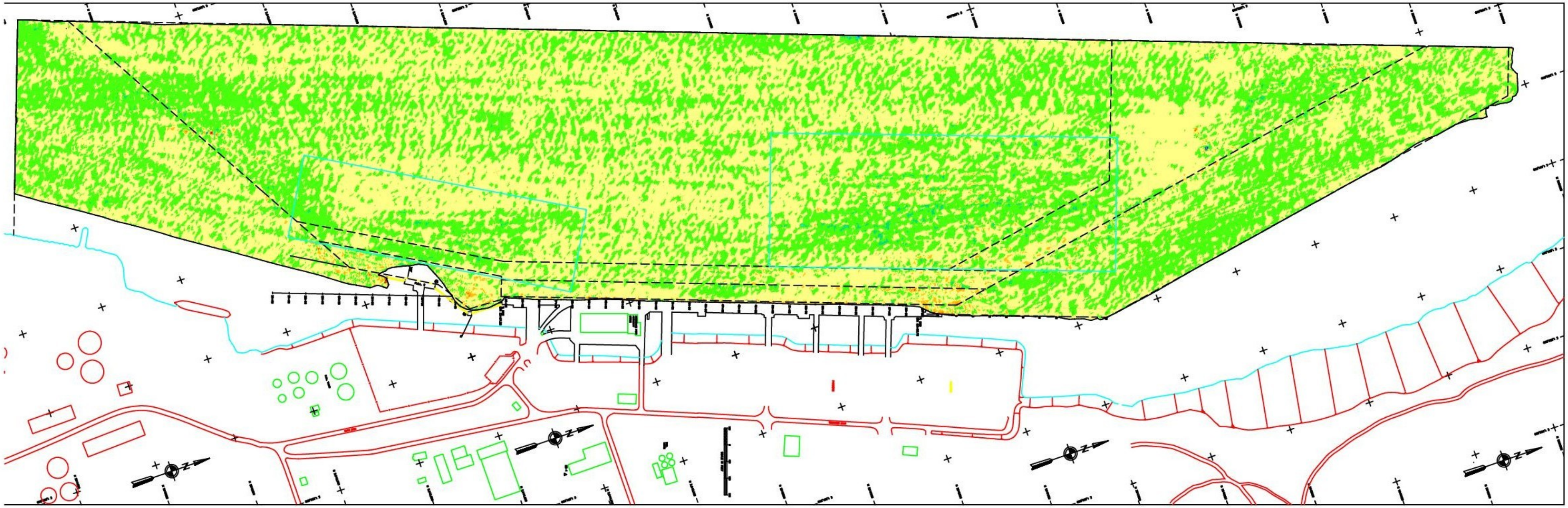


ANCHORAGE, 8 OCT vs 11 OCT 2004

Change Charts

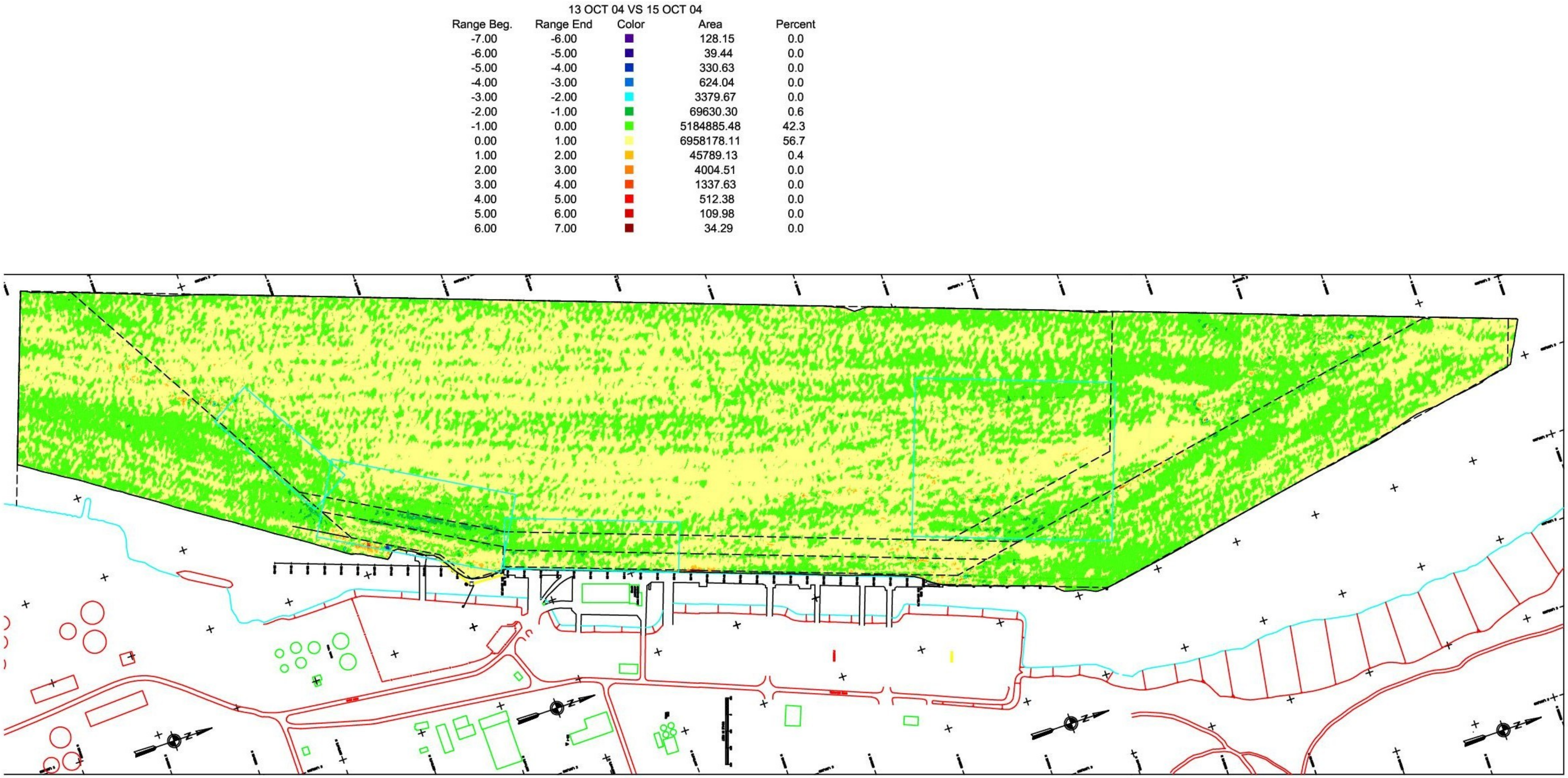
11 OCT 2004 VS 13 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	33.22	0.0
-6.00	-5.00	🟦	55.29	0.0
-5.00	-4.00	🟦	163.74	0.0
-4.00	-3.00	🟦	291.72	0.0
-3.00	-2.00	🟦	1218.94	0.0
-2.00	-1.00	🟩	51469.47	0.4
-1.00	0.00	🟩	5121825.46	41.8
0.00	1.00	🟨	6982050.03	57.0
1.00	2.00	🟨	77222.42	0.6
2.00	3.00	🟧	4768.34	0.0
3.00	4.00	🟧	771.70	0.0
4.00	5.00	🟥	173.97	0.0
5.00	6.00	🟥	144.79	0.0
6.00	7.00	🟥	74.21	0.0



ANCHORAGE, 11 OCT vs 13 OCT 2004

Change Charts



13 OCT 04 VS 15 OCT 04

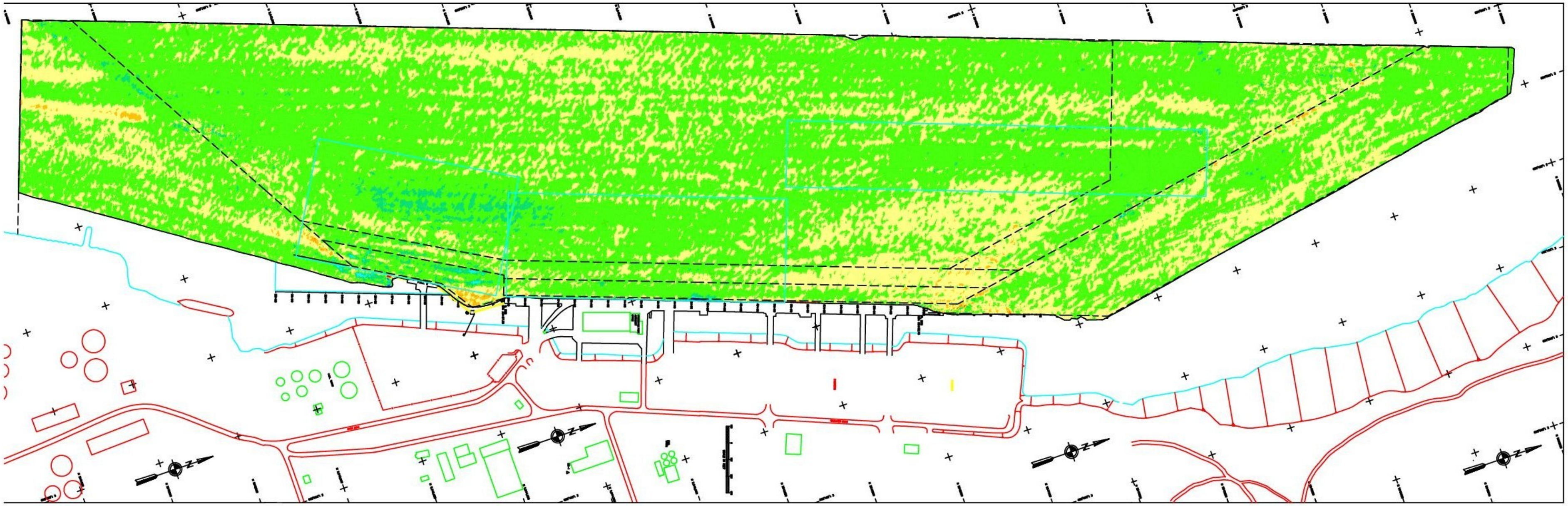
Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	128.15	0.0
-6.00	-5.00	🟦	39.44	0.0
-5.00	-4.00	🟦	330.63	0.0
-4.00	-3.00	🟦	624.04	0.0
-3.00	-2.00	🟦	3379.67	0.0
-2.00	-1.00	🟩	69630.30	0.6
-1.00	0.00	🟩	5184885.48	42.3
0.00	1.00	🟨	6958178.11	56.7
1.00	2.00	🟨	45789.13	0.4
2.00	3.00	🟧	4004.51	0.0
3.00	4.00	🟧	1337.63	0.0
4.00	5.00	🟥	512.38	0.0
5.00	6.00	🟥	109.98	0.0
6.00	7.00	🟫	34.29	0.0

ANCHORAGE, 13 OCT vs 15 OCT 2004

Change Charts

15 OCT 2004 VS 18 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	0.00	0.0
-6.00	-5.00	🟦	11.20	0.0
-5.00	-4.00	🟦	597.85	0.0
-4.00	-3.00	🟦	1549.44	0.0
-3.00	-2.00	🟦	7549.08	0.1
-2.00	-1.00	🟩	173567.30	1.4
-1.00	0.00	🟩	8352628.95	68.1
0.00	1.00	🟨	3676046.28	30.0
1.00	2.00	🟨	54961.58	0.4
2.00	3.00	🟧	3984.78	0.0
3.00	4.00	🟧	944.84	0.0
4.00	5.00	🟥	308.88	0.0
5.00	6.00	🟥	89.23	0.0
6.00	7.00	🟥	0.00	0.0

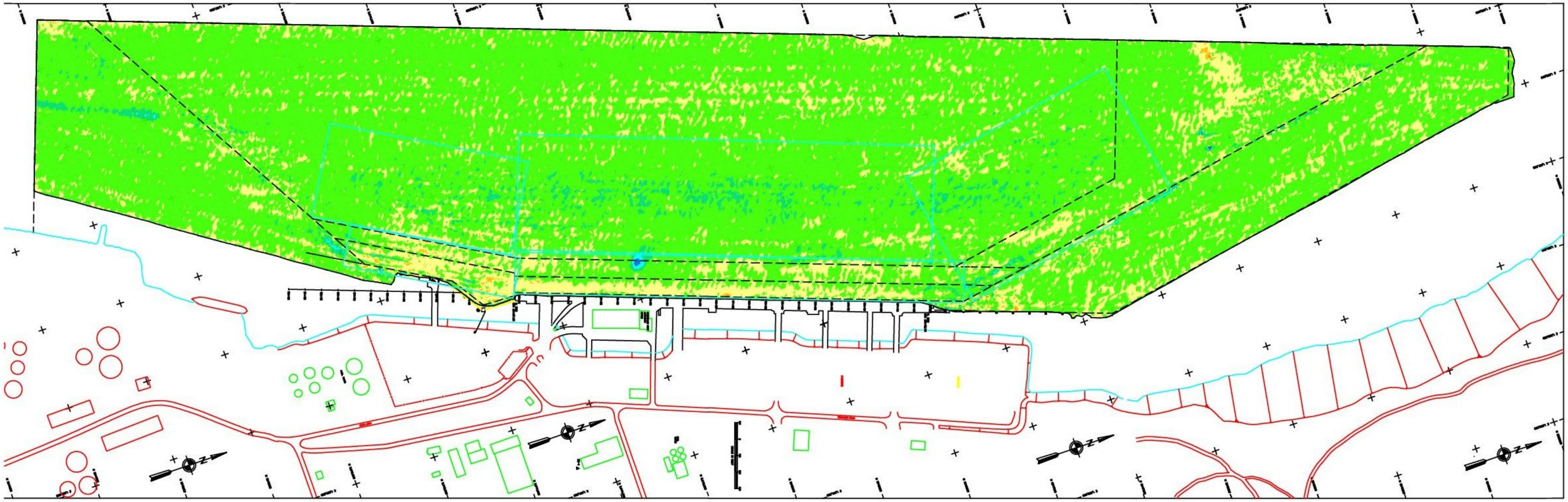


ANCHORAGE, 15 OCT vs 18 OCT 2004

Change Charts

18 OCT 2004 VS 23 OCT 2004

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	23.33	0.0
-6.00	-5.00	🟦	111.53	0.0
-5.00	-4.00	🟦	189.30	0.0
-4.00	-3.00	🟦	2171.02	0.0
-3.00	-2.00	🟦	11113.25	0.1
-2.00	-1.00	🟩	306040.39	2.5
-1.00	0.00	🟩	9999542.36	81.4
0.00	1.00	🟨	1928740.45	15.7
1.00	2.00	🟧	29110.75	0.2
2.00	3.00	🟧	1640.00	0.0
3.00	4.00	🟧	360.33	0.0
4.00	5.00	🟥	80.81	0.0
5.00	6.00	🟥	0.00	0.0
6.00	7.00	🟥	0.00	0.0

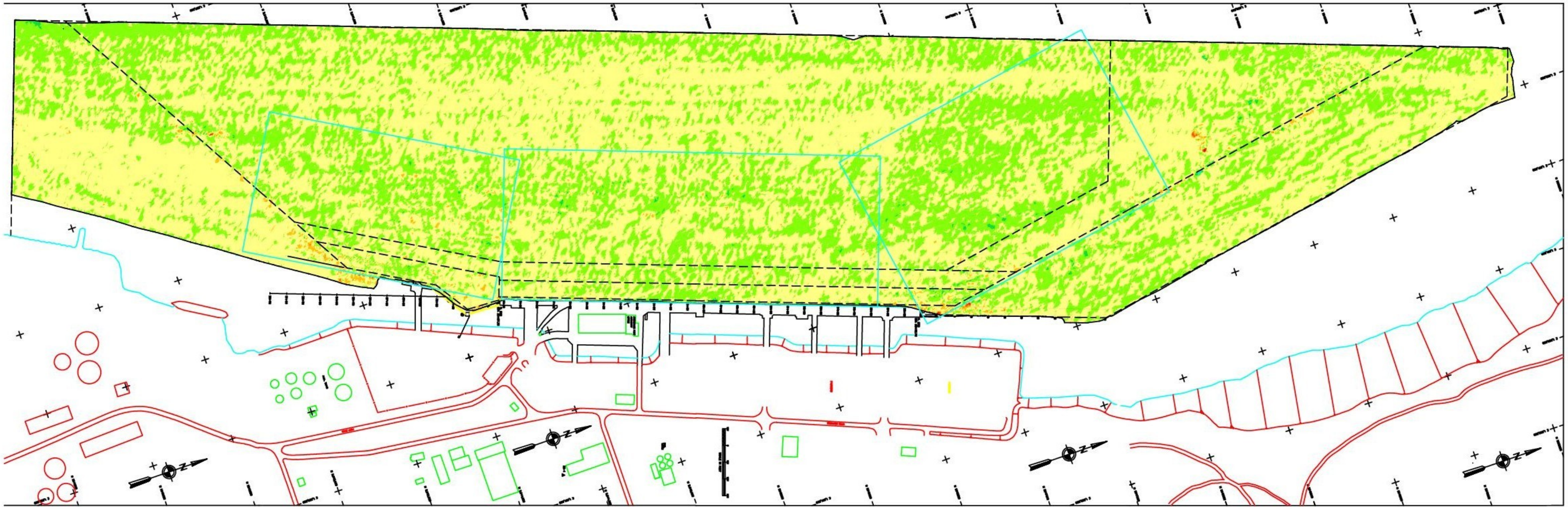


ANCHORAGE, 18 OCT vs 23 OCT 2004

Change Charts

23 OCT 04 VS25 OCT 04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	0.00	0.0
-6.00	-5.00	🟦	0.00	0.0
-5.00	-4.00	🟦	0.00	0.0
-4.00	-3.00	🟦	150.88	0.0
-3.00	-2.00	🟦	1506.50	0.0
-2.00	-1.00	🟩	26434.93	0.2
-1.00	0.00	🟩	4273398.42	34.8
0.00	1.00	🟨	7900571.40	64.4
1.00	2.00	🟨	64525.11	0.5
2.00	3.00	🟧	3908.55	0.0
3.00	4.00	🟧	1150.81	0.0
4.00	5.00	🟥	370.44	0.0
5.00	6.00	🟥	179.00	0.0
6.00	7.00	🟥	26.37	0.0

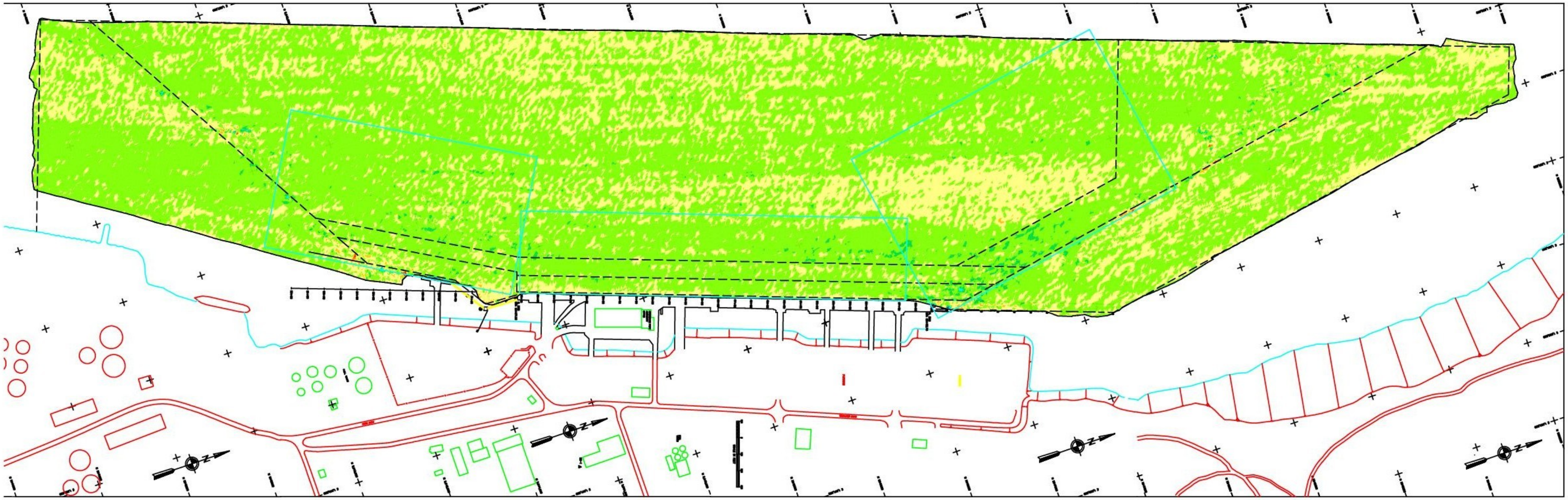


ANCHORAGE, 23 OCT vs 25 OCT 2004

Change Charts

25 OCT 04 VS27 OCT 04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	9.05	0.0
-6.00	-5.00	🟦	140.53	0.0
-5.00	-4.00	🟦	458.91	0.0
-4.00	-3.00	🟦	720.76	0.0
-3.00	-2.00	🟦	3508.97	0.0
-2.00	-1.00	🟩	106957.50	0.9
-1.00	0.00	🟩	8557286.15	69.4
0.00	1.00	🟨	3637270.52	29.5
1.00	2.00	🟨	26982.06	0.2
2.00	3.00	🟧	2964.42	0.0
3.00	4.00	🟧	1055.65	0.0
4.00	5.00	🟥	277.99	0.0
5.00	6.00	🟥	77.28	0.0
6.00	7.00	🟫	5.79	0.0

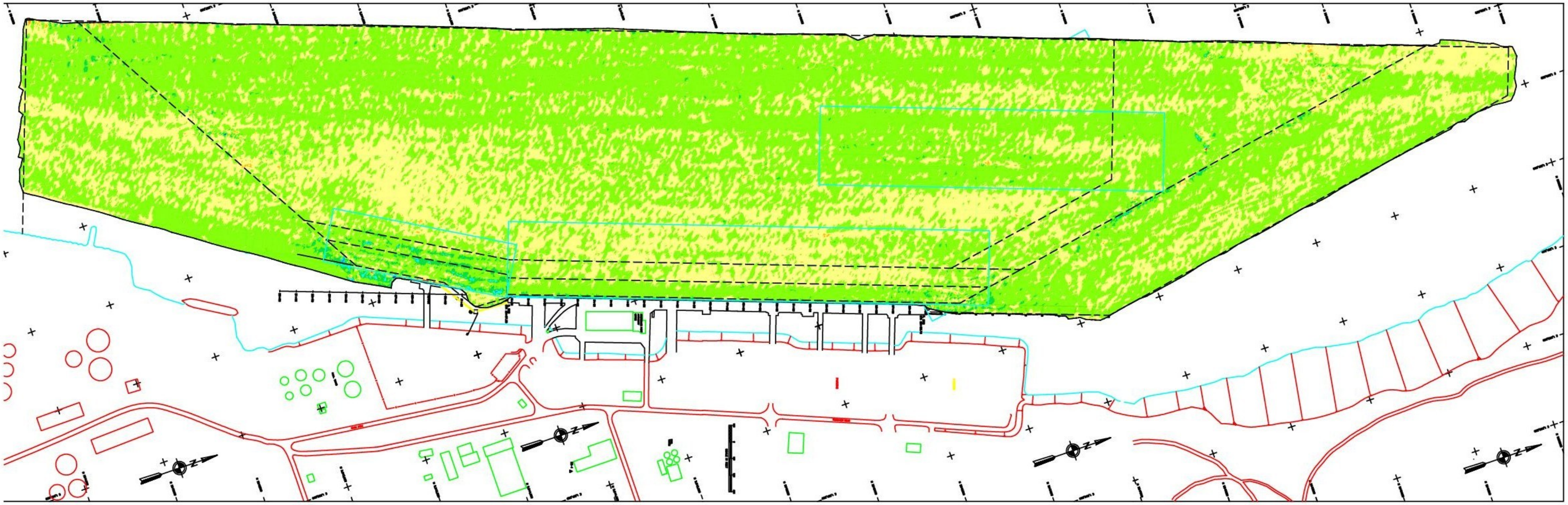


ANCHORAGE, 25 OCT vs 27 OCT 2004

Change Charts

27 OCT 04 VS29 OCT 04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	153.49	0.0
-6.00	-5.00	🟦	197.13	0.0
-5.00	-4.00	🟦	303.08	0.0
-4.00	-3.00	🟦	1715.20	0.0
-3.00	-2.00	🟦	13099.99	0.1
-2.00	-1.00	🟩	142062.12	1.2
-1.00	0.00	🟩	7841069.97	63.5
0.00	1.00	🟨	4328874.79	35.0
1.00	2.00	🟨	21554.16	0.2
2.00	3.00	🟧	1451.82	0.0
3.00	4.00	🟧	484.46	0.0
4.00	5.00	🟥	477.90	0.0
5.00	6.00	🟥	176.23	0.0
6.00	7.00	🟥	146.08	0.0

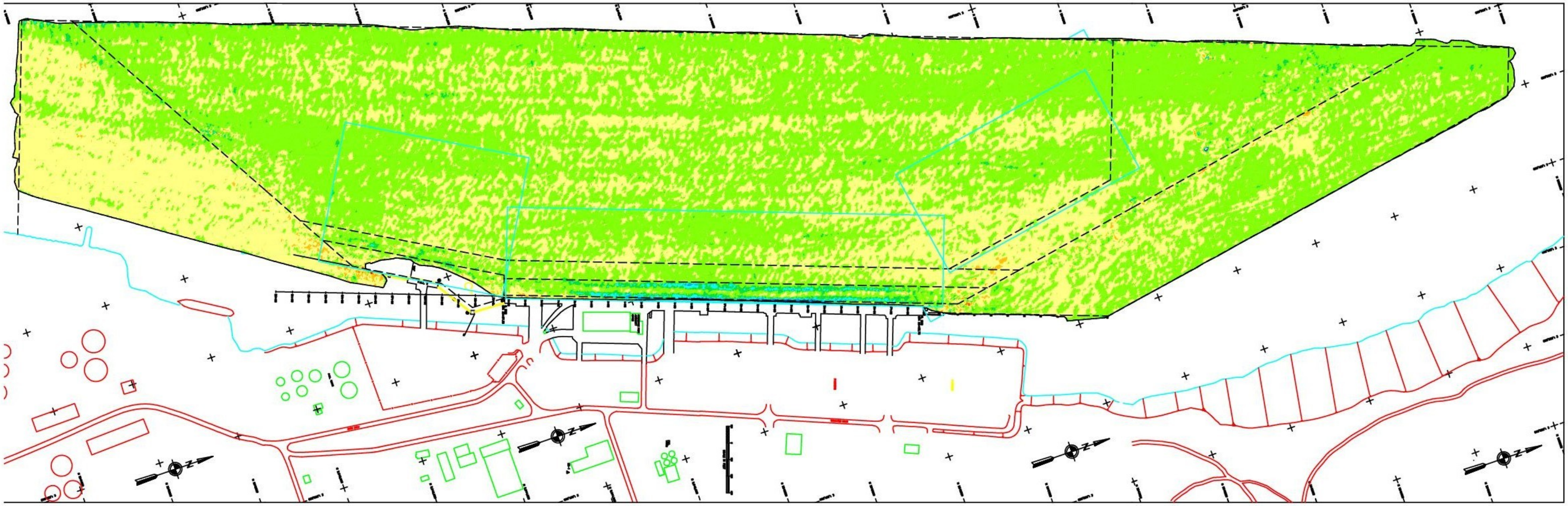


ANCHORAGE, 27 OCT vs 29 OCT 2004

Change Charts

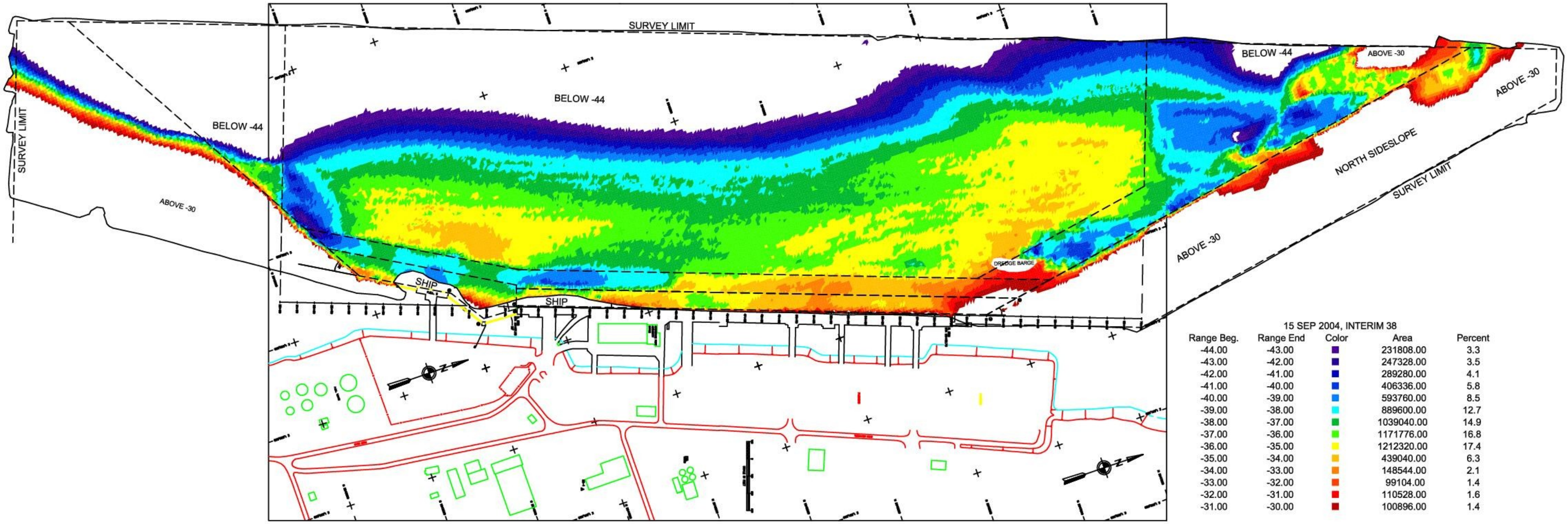
29 OCT 04 VS 1 NOV 04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟦	57.00	0.0
-6.00	-5.00	🟦	445.90	0.0
-5.00	-4.00	🟦	2943.00	0.0
-4.00	-3.00	🟦	11334.80	0.1
-3.00	-2.00	🟦	40083.54	0.3
-2.00	-1.00	🟩	161461.04	1.3
-1.00	0.00	🟩	7580158.42	61.9
0.00	1.00	🟨	4394689.60	35.9
1.00	2.00	🟨	45439.06	0.4
2.00	3.00	🟧	3323.48	0.0
3.00	4.00	🟧	540.53	0.0
4.00	5.00	🟥	62.85	0.0
5.00	6.00	🟥	2.50	0.0
6.00	7.00	🟥	0.00	0.0



ANCHORAGE, 29 OCT vs 01 NOV 2004

Color Charts

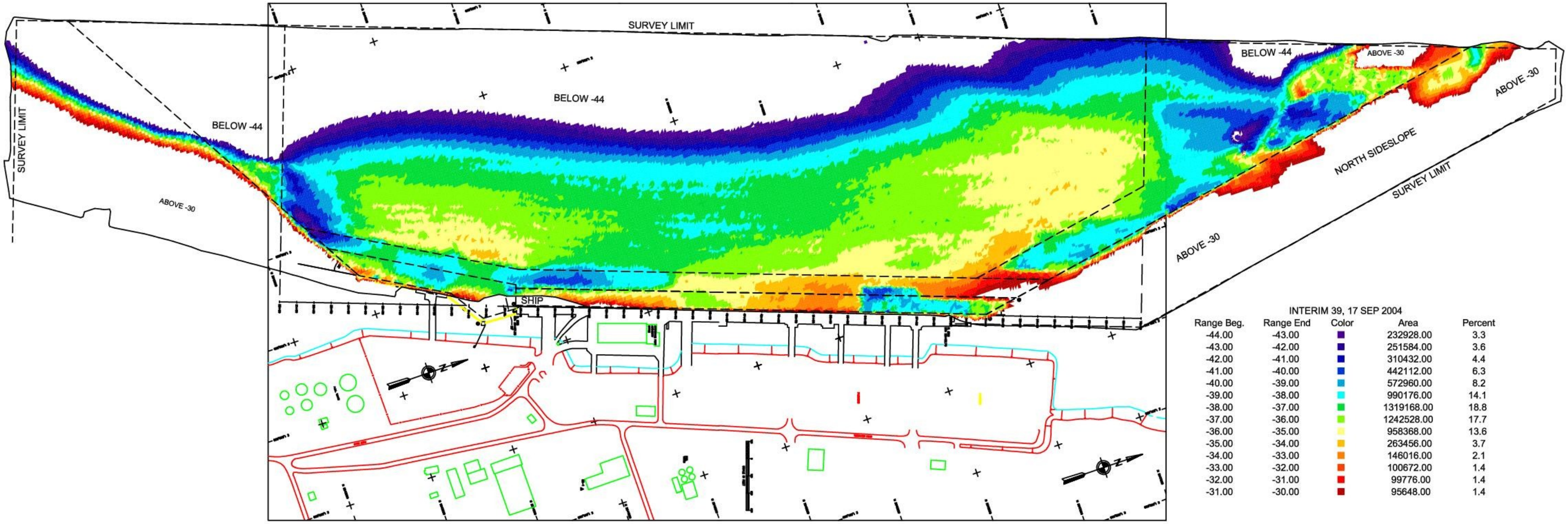

SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
SURVEY LIMIT
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
NORTH SIDESLOPE
SURVEY LIMIT
DREDGE BARGE
SHIP
SHIP

15 SEP 2004, INTERIM 38

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	231808.00	3.3
-43.00	-42.00	🟪	247328.00	3.5
-42.00	-41.00	🟦	289280.00	4.1
-41.00	-40.00	🟦	406336.00	5.8
-40.00	-39.00	🟦	593760.00	8.5
-39.00	-38.00	🟦	889600.00	12.7
-38.00	-37.00	🟩	1039040.00	14.9
-37.00	-36.00	🟩	1171776.00	16.8
-36.00	-35.00	🟨	1212320.00	17.4
-35.00	-34.00	🟧	439040.00	6.3
-34.00	-33.00	🟧	148544.00	2.1
-33.00	-32.00	🟥	99104.00	1.4
-32.00	-31.00	🟥	110528.00	1.6
-31.00	-30.00	🟥	100896.00	1.4

ANCHORAGE INTERIM 38, 15 SEP 04

Color Charts


SURVEY LIMIT
BELOW -44
BELOW -44
BELOW -44
ABOVE -30
ABOVE -30
ABOVE -30
ABOVE -30
SURVEY LIMIT
SURVEY LIMIT
NORTH SIDESLOPE
SHIP

INTERIM 39, 17 SEP 2004

Range Beg.	Range End	Color	Area	Percent
-44.00	-43.00	🟪	232928.00	3.3
-43.00	-42.00	🟪	251584.00	3.6
-42.00	-41.00	🟦	310432.00	4.4
-41.00	-40.00	🟦	442112.00	6.3
-40.00	-39.00	🟦	572960.00	8.2
-39.00	-38.00	🟦	990176.00	14.1
-38.00	-37.00	🟩	1319168.00	18.8
-37.00	-36.00	🟩	1242528.00	17.7
-36.00	-35.00	🟨	958368.00	13.6
-35.00	-34.00	🟧	263456.00	3.7
-34.00	-33.00	🟧	146016.00	2.1
-33.00	-32.00	🟧	100672.00	1.4
-32.00	-31.00	🟥	99776.00	1.4
-31.00	-30.00	🟥	95648.00	1.4

ANCHORAGE INTERIM 39, 17 SEP 04

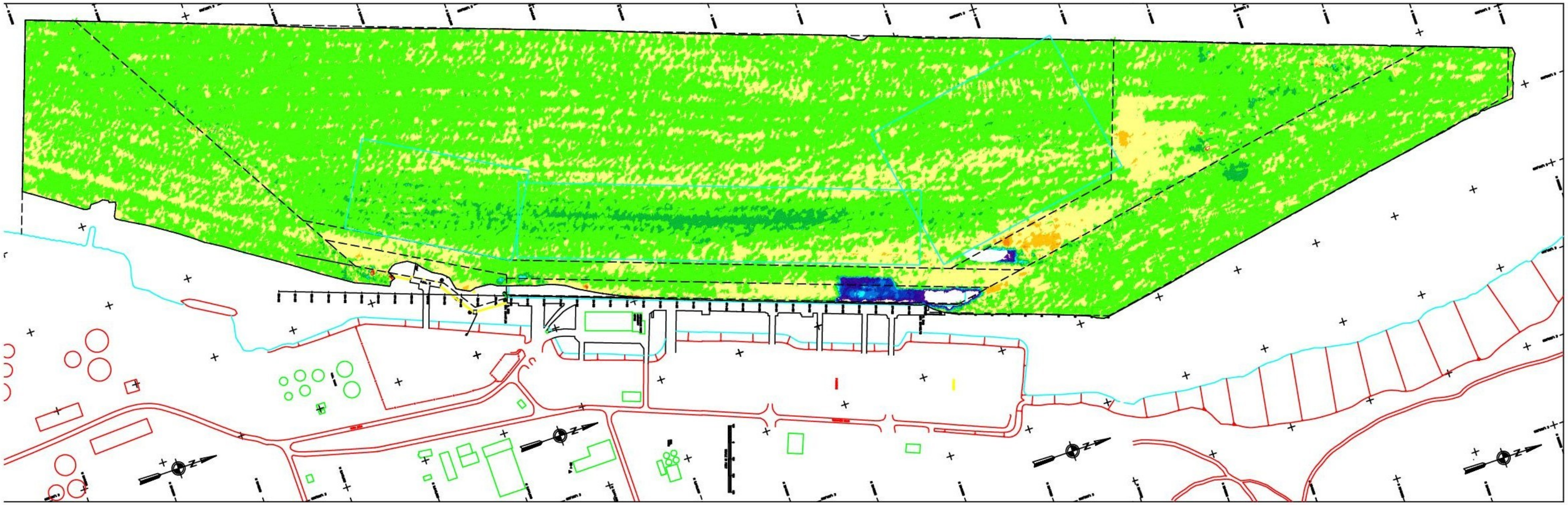
US Army Corps of Engineers
Alaska District

Change Charts

AK

15 SEP 04 VS 17 SEP 04

Range Beg.	Range End	Color	Area	Percent
-7.00	-6.00	🟪	12132.56	0.1
-6.00	-5.00	🟦	21670.75	0.2
-5.00	-4.00	🟦	24613.30	0.2
-4.00	-3.00	🟦	17976.96	0.1
-3.00	-2.00	🟦	14005.95	0.1
-2.00	-1.00	🟩	280495.87	2.3
-1.00	0.00	🟩	8982954.89	74.4
0.00	1.00	🟨	2671775.13	22.1
1.00	2.00	🟨	51082.33	0.4
2.00	3.00	🟧	3247.50	0.0
3.00	4.00	🟧	637.88	0.0
4.00	5.00	🟥	715.92	0.0
5.00	6.00	🟥	230.78	0.0
6.00	7.00	🟥	179.21	0.0



ANCHORAGE, 15 SEP vs 17 SEP 2004

DISCUSSION

For more info:
http://www.poa.usace.army.mil/en/hydr/inde